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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Ken Hwy. Bridge over Nam Mat Bridge No. 1L on NE 48-2	COUNTRY Laos	COORDINATES 19 35N - 103 40E PE 599664	25X1
MAP JOG (A) 1501 NE 48-2		BRIEF NO: PIB 75200 October 1966	25X1
LOCATION: At Ban Ken on Route 7.			

DESCRIPTION:

LENGTH 220' approx.
 WIDTH
 TYPE Half-through truss

MATERIAL Concrete, wood, and steel
 NO. OF SPANS 4
 LENGTH OF EACH SPAN 55' approx.

25X1

STATUS:

4 spans completely destroyed, piers and 6 abutments intact.

COMPENSATIVE ACTION:

Ford immediately north of bridge.

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NAME	COUNTRY	COORDINATES
Ban Dong Hwy. Bridge Bridge No. 1L on NE 48-1	Laos	19 39N - 103 18E UG 224560
MAP		BRIEF NO:
JOG (A) 1501 NE 48-1		PIB 75201 October 1966

25X1

LOCATION: 2.1 nm SW of Ban Dong on Route 7.

DESCRIPTION:

LENGTH 20' approx.
WIDTH 10' approx.
TYPE Deck

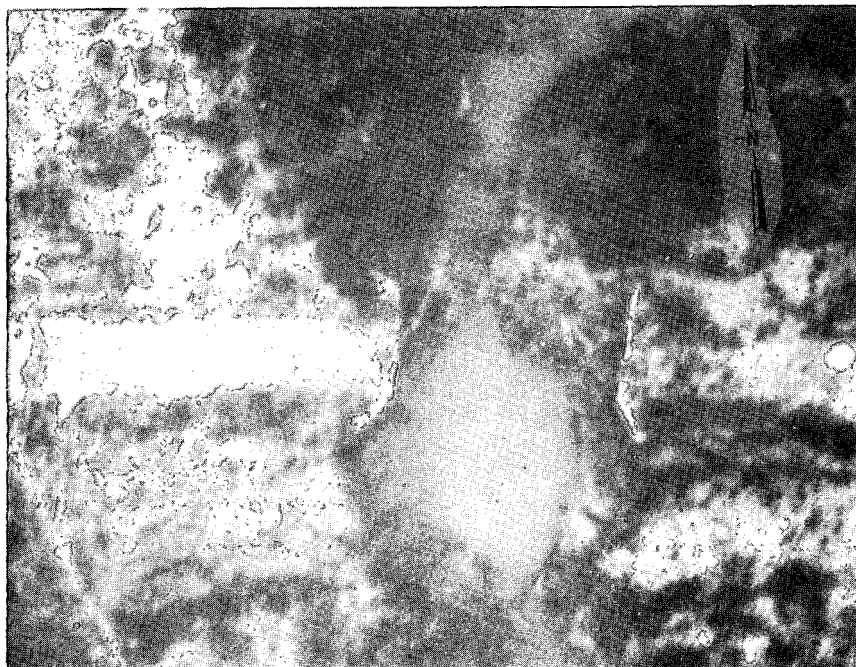
MATERIAL Timber and concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN 20' approx.

STATUS:

Span completely destroyed; abutments intact.

COMPENSATIVE ACTION:

Heavily damaged temporary 20' x 10' timber deck-type by-pass bridge
immediately south of highway bridge.

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Cao Nung RR. Bridge over Song Hao 	COUNTRY	North Vietnam	COORDINATES	21 33N - 106 29E XJ 554845
		Bridge No. 2 on NF 48-12				
25X1					BRIEF NO:	
					PIB 75202	
	MAP	AMS L509 NF 48-12			October 1966	
LOCATION: 0.4 nm SE of Cao Nung on the Hanoi-Dong Dang Rail Line.						

DESCRIPTION:

25X1	LENGTH	175' approx.	MATERIAL	Steel, concrete, and timber
	WIDTH		NO. OF SPANS	3
	TYPE	Deck	LENGTH OF EACH SPAN	1 @ 70' approx., 1 @ 60' approx. 1 @ 45' approx.

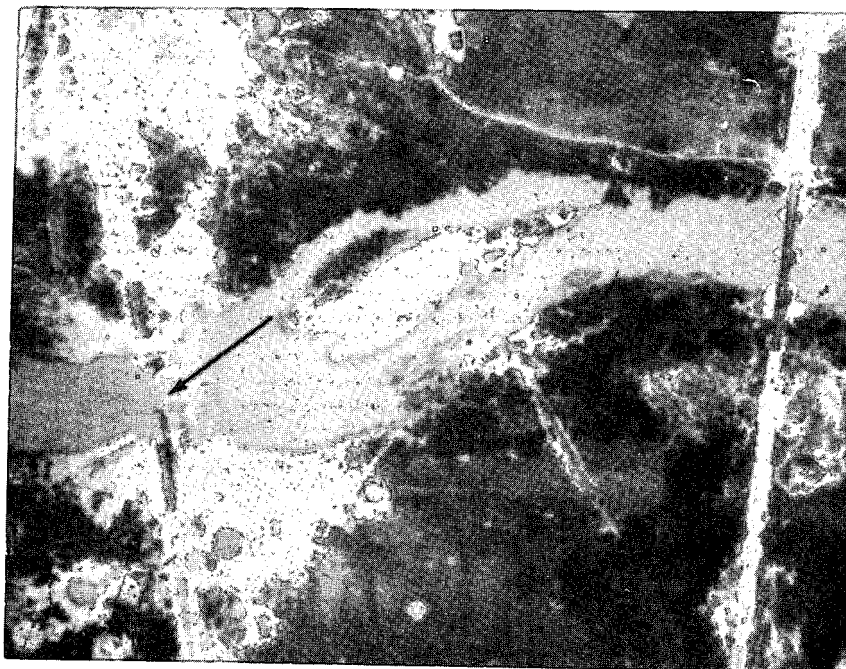
STATUS:

2 spans dropped (60' and 45'); 1 span severely damaged (70').

COMPENSATIVE ACTION:

Bridge probably being repaired; deck of by-pass bridge has been replaced and now appears to be operational.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Xuan Son Hwy. Bridge Bridge No. 34 on NE 48-11	COUNTRY North Vietnam	COORDINATES 17 36N - 106 18E XE 392473
MAP JOG (A) 1501 NE 48-11 LOCATION: 0.4 nm S of Xuan Son on Route 101.		BRIEF NO: PIB 75203 October 1966

25X1

DESCRIPTION:

LENGTH 50' approx.
 WIDTH 10' approx.
 TYPE Deck

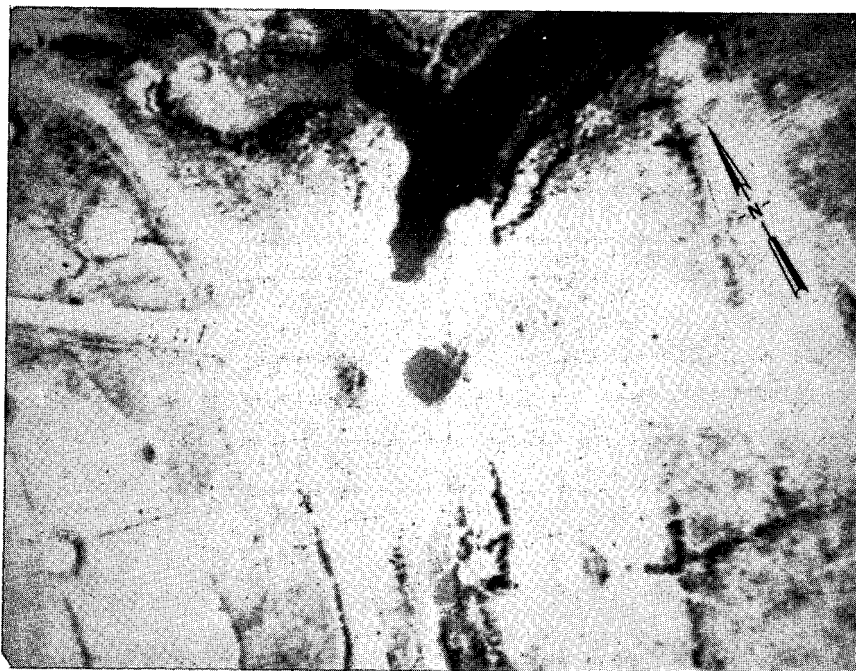
MATERIAL Timber
 NO. OF SPANS 2 probable
 LENGTH OF EACH SPAN 25' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Rock fill by-pass causeway and culvert.

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Xom Xoi Hwy. Bridge NW over stream <input type="text"/>	COUNTRY	North Vietnam	COORDINATES	17 37N - 106 29E XE 570485
		Bridge No. 13 on NE 48-11				
25X1						BRIEF NO:
						PIB 75204 October 1966
	MAP	JOG (A) 1501 NE 48-11				
	LOCATION:	At Xom Xoi on Route 101.				

DESCRIPTION:

25X1

LENGTH

WIDTH

TYPE

Deck

MATERIAL Wood

NO. OF SPANS 2

LENGTH OF EACH SPAN

25X1

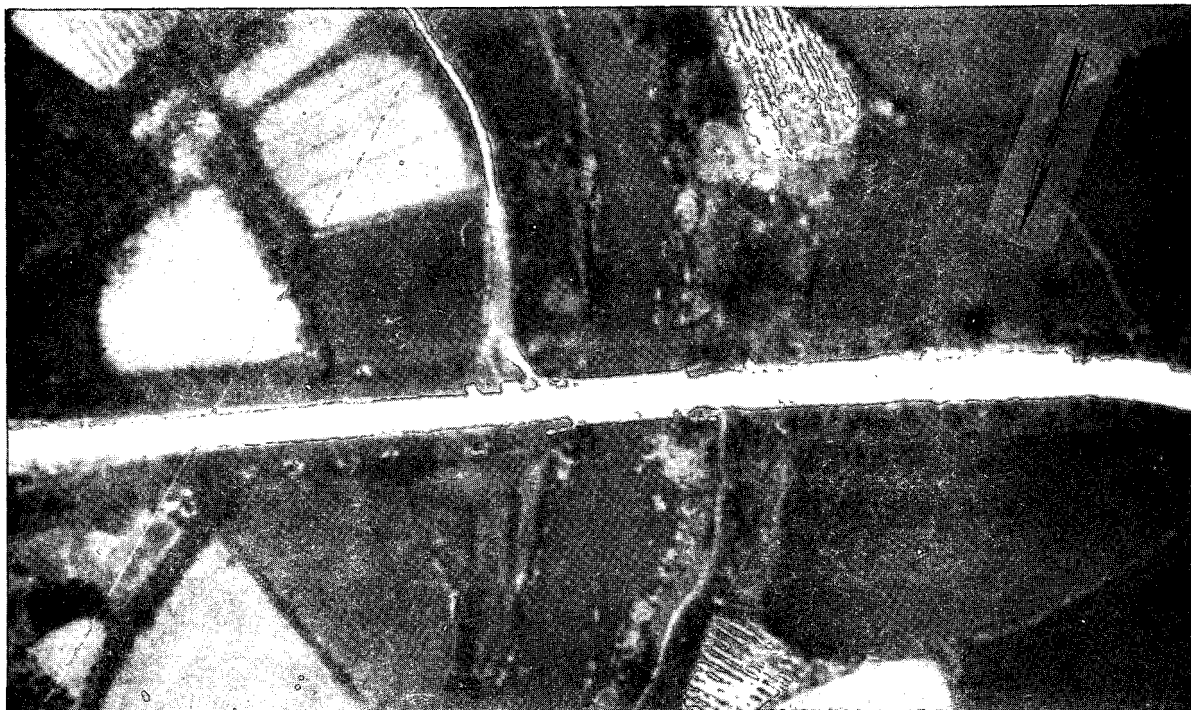
STATUS:

Pre-strike

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Xom Xoi Hwy. Bridge NW over stream <input type="text"/>	COUNTRY		COORDINATES	
		Bridge No. 13 on NE 48-11		North Vietnam		17 37N - 106 29E XE 570485
25X1	<input type="text"/>					BRIEF NO:
	MAP					PIB 75205 October 1966
JOG (A) 1501 NE 48-11						
LOCATION: At Xom Xoi on Route 101.						

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

Deck

MATERIAL Wood
NO. OF SPANS 2
LENGTH OF EACH SPAN

25X1

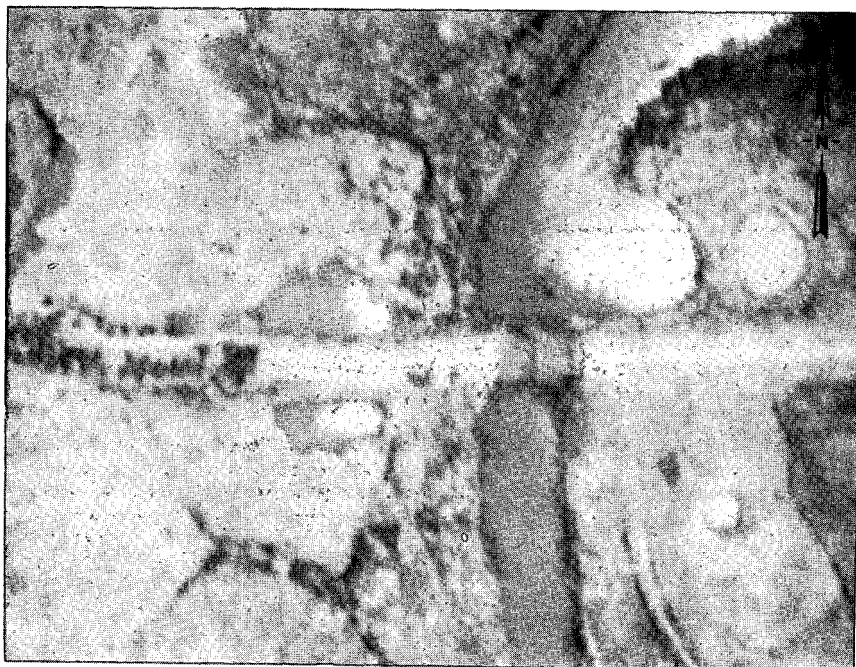
STATUS:

Severe deck damage.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Xom Xoi Hwy. Bridge No. 2 Bridge No. 14 on NE 48-11	North Vietnam	17 37N - 106 29E XE 566486
<div data-bbox="162 420 1104 483" style="border: 1px solid black; height: 30px; width: 580px;"></div>		BRIEF NO: PIB 75207 October 1966
MAP JOG (A) 1501 NE 48-11		
LOCATION: 0.2 nm NW of Xom Xoi on Route 101.		

25X1

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

MATERIAL Wood
NO. OF SPANS 4
LENGTH OF EACH SPAN

25X1

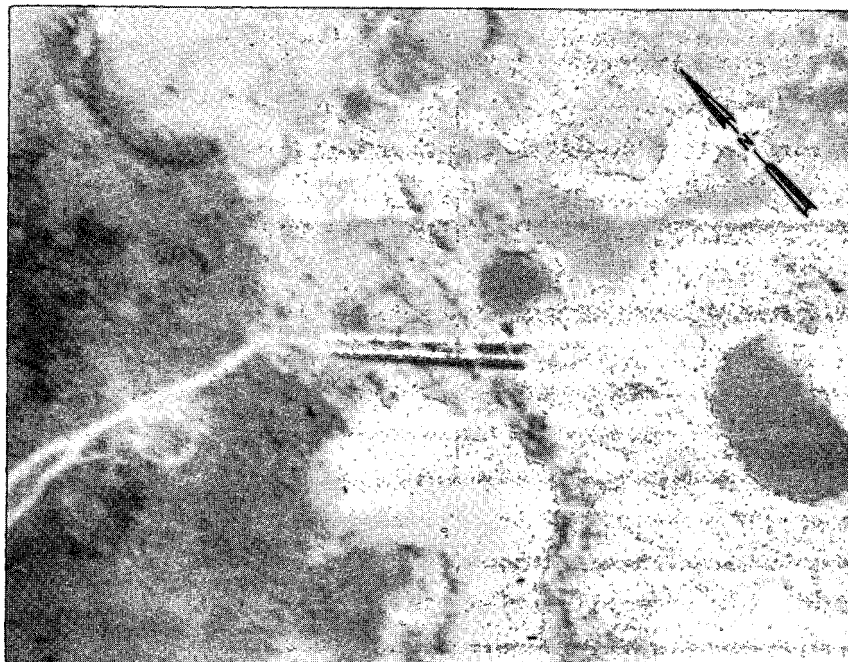
STATUS:

Deck displaced off piers; one abutment damaged; 3 piers damaged.

COMPENSATIVE ACTION:

By-pass causeway.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Kim Nac Hwy. Bridge over
stream [REDACTED]
Bridge No. 23 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 13N - 106 02E

XF 103158

25X1

BRIEF NO:

PIB 75208

October 1966

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.8 nm NE of Kim Nac on Route 1A.

DESCRIPTION:

25X1

LENGTH [REDACTED]

MATERIAL Timber

WIDTH

10' approx.

NO. OF SPANS 5

TYPE

Deck

LENGTH OF EACH SPAN [REDACTED]

25X1

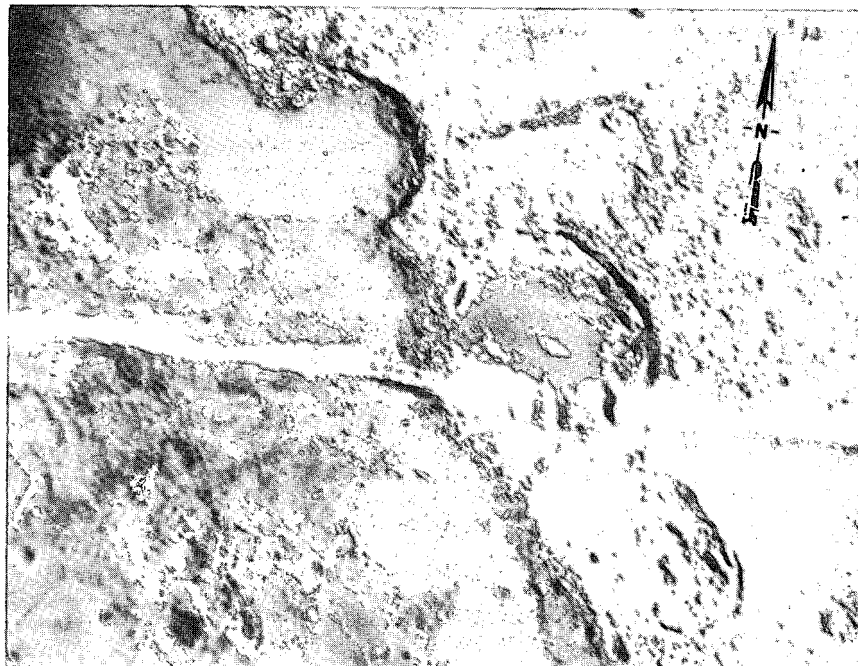
STATUS:

Bridge is in late stages of repair.

COMPENSATIVE ACTION:

By-pass bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Dong Hoi Hwy. Bridge No. 3 Bridge No. 54 on NE 48-12	North Vietnam	17 28N - 106 36E XE 713333
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO:
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		PIB 75209
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		October 1966

MAP JOG (A) 1501 NE 48-12

LOCATION: 0.6 nm NW of Dong Hoi on Route 1A.

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck probable

MATERIAL Concrete

NO. OF SPANS 1 probable

LENGTH OF EACH SPAN

25X1

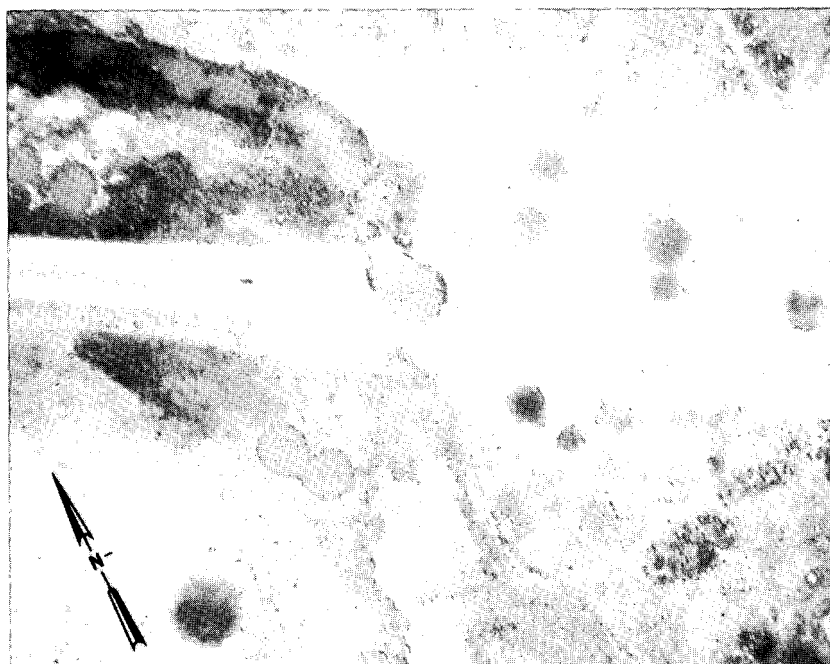
STATUS:

Bridge has been rebuilt as a culvert and is now serviceable.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ian Tra Hwy. Bridge N over

COUNTRY

COORDINATES

Song Cua

19 22N - 105 44E

Bridge No. 21 on NE 48-3

North Vietnam

WG 771415

25X1

BRIEF NO:

PIB 75210

MAP JOG (A) 1501 NE 48-3

October 1966

LOCATION: 1.0 nm W of Huu Lai on Route 1A.

DESCRIPTION:

25X1

LENGTH

WIDTH

TYPE

Deck

MATERIAL Concrete and wood

NO. OF SPANS 3

LENGTH OF EACH SPAN

25X1

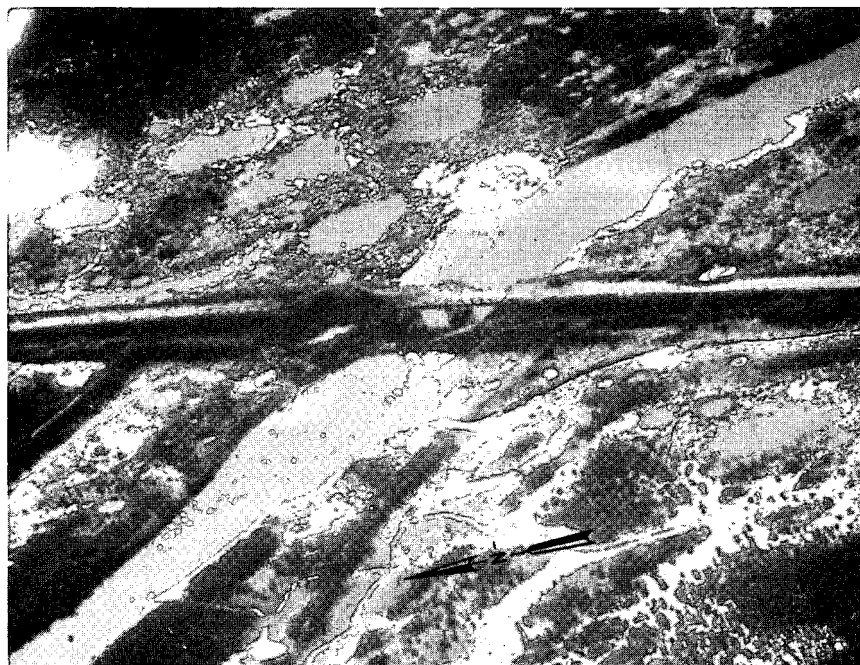
STATUS:

One span and 1 abutment destroyed; remaining 2 spans damaged.

COMPENSATIVE ACTION:

None apparent.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME	Dao Nguyen Hwy. Bridge over Dai Giang 	COUNTRY	North Vietnam	COORDINATES	18 01N - 106 24E XE 489934
	Bridge No. 46 on NE 48-7				

25X1

			BRIEF NO:
			PIB 75211
			October 1966

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.8 nm SW of Dao Nguyen on Route 1A.

DESCRIPTION:

LENGTH 60' approx.
 WIDTH 10' approx.
 TYPE Deck

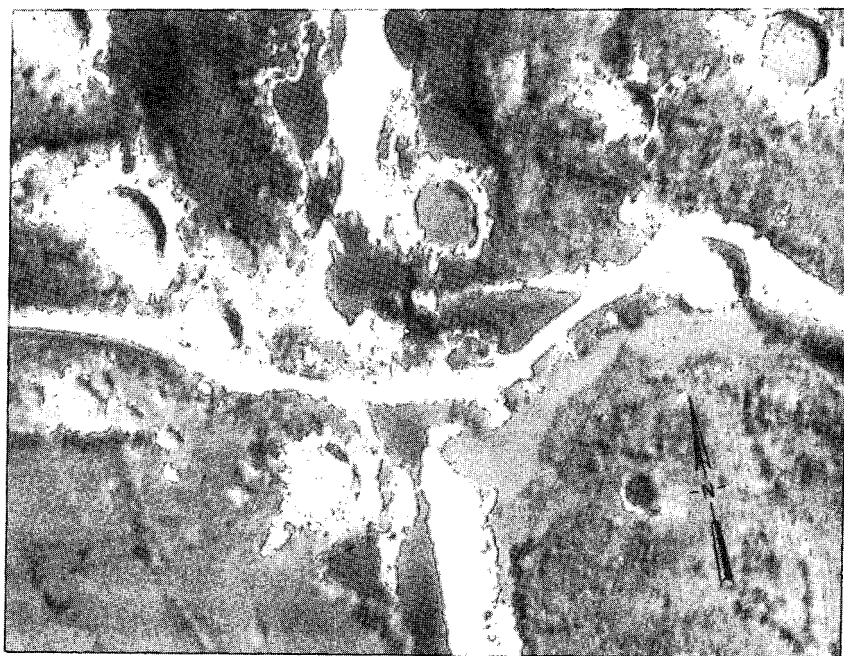
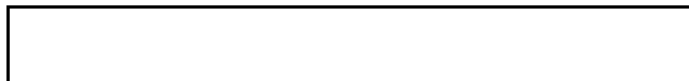
MATERIAL Timber
 NO. OF SPANS 3
 LENGTH OF EACH SPAN 20' approx.

STATUS: Completely destroyed.

COMPENSATIVE ACTION:

Ford

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Quang Khe Hwy. Bridge No. 1 Bridge No. 38 on NE 48-11	North Vietnam	17 42N - 106 29E XE 568568
<div data-bbox="50 424 134 457" data-label="Text">25X1</div>		BRIEF NO:
<div data-bbox="147 422 1089 489" data-label="Form"> <div></div> </div>		PIB 75212 October 1966
MAP	JOG (A) 1501 NE 48-11	

LOCATION: 0.2 nm SW of Quang Khe on an unnumbered route.

DESCRIPTION:

LENGTH 40' approx.
 WIDTH 10' approx.
 TYPE Combination lock and
 deck-type bridge

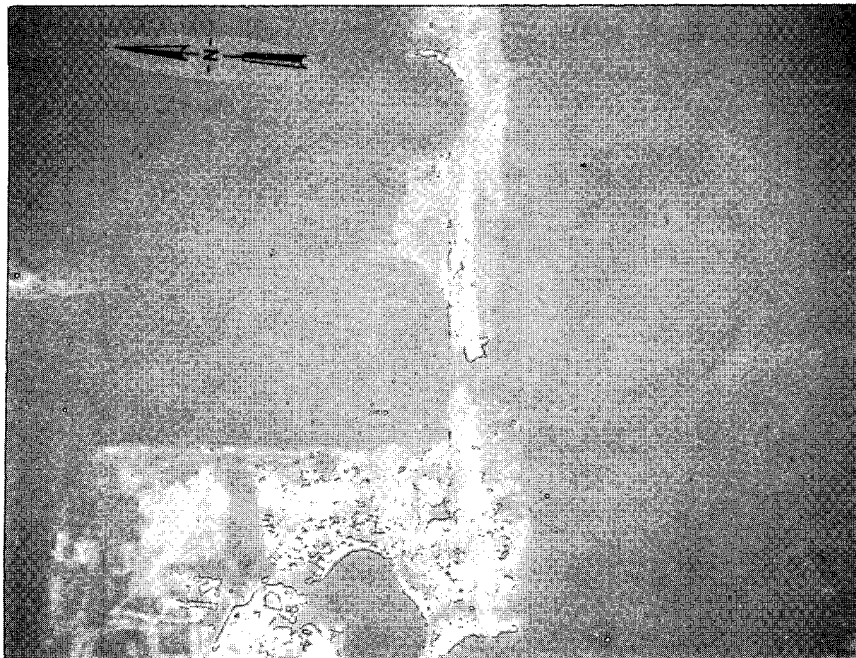
MATERIAL Concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 40' approx.

STATUS:
 Span has been destroyed.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Vinh Hwy. Bridge S 2 over

COUNTRY

COORDINATES

stream

18 37N - 105 40E

Bridge No. 37 on NE 48-7

North Vietnam

WF 707599

25X1

BRIEF NO:

MAP JOG (A) 1501 NE 48-7

PIB 75213

October 1966

LOCATION: 0.4 nm SW of Yen Dong on Route 8.

DESCRIPTION:

25X1

25X1

LENGTH

MATERIAL Concrete

WIDTH

NO. OF SPANS 4

TYPE

Deck

LENGTH OF EACH SPAN

STATUS:

40' span destroyed; one 10' span destroyed; 1 pier slightly damaged.

COMPENSATIVE ACTION:

None

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Excluded from automatic
downgrading and declassification

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CIA IMAGERY ANALYSIS DIVISION

NAME Thanh Thuy Hwy. Bridge over
stream
Bridge No. 43 on NE 48-11

COUNTRY
North Vietnam

COORDINATES
17 47N - 106 14E
XE 310682

MAP JOG (A) 1501 NE 48-11

BRIEF NO:
PIB 75214
October 1966

LOCATION: At Thanh Thuy on Route 110.

DESCRIPTION:

LENGTH 30' approx.
WIDTH
TYPE Deck

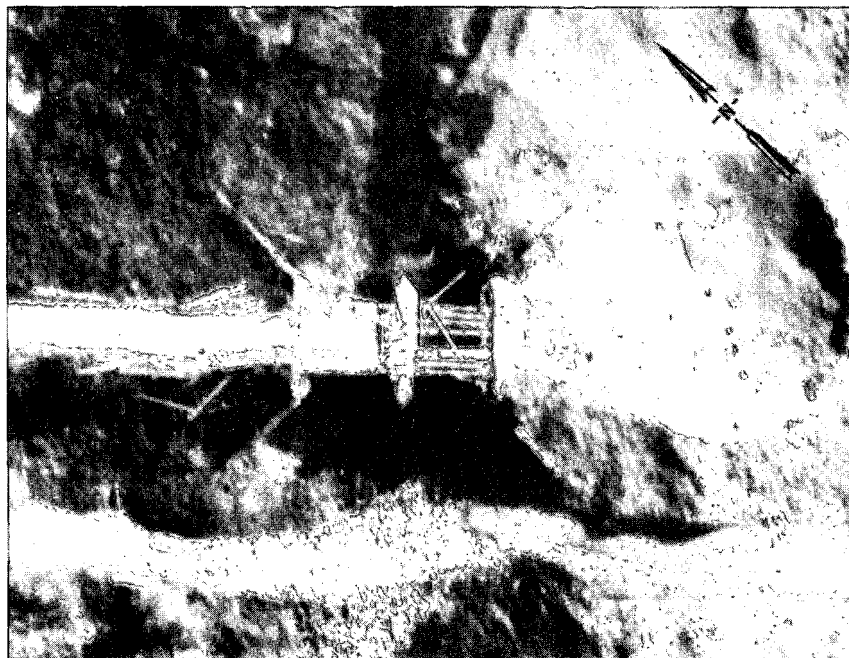
MATERIAL Concrete and wood
NO. OF SPANS 2
LENGTH OF EACH SPAN 15' approx.

STATUS:

Deck severely damaged.

COMPENSATIVE ACTION:

By-pass causeway.

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Bai Duc Thon RR. Bridge over Khe Ba Giang Bridge No. 7 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 03N - 105 50E WE 886964
MAP JOG (A) 1501 NE 48-7 LOCATION: 0.2 nm NE of Bai Duc Thon on the Vinh/Dong Hoi Rail Line.		BRIEF NO: PIB 75215 October 1966

DESCRIPTION:

LENGTH 140' approx.
 WIDTH 10' approx. (Single-track)
 TYPE Through-truss

MATERIAL Wood, steel, and concrete
 NO. OF SPANS Undetermined
 LENGTH OF EACH SPAN Undetermined

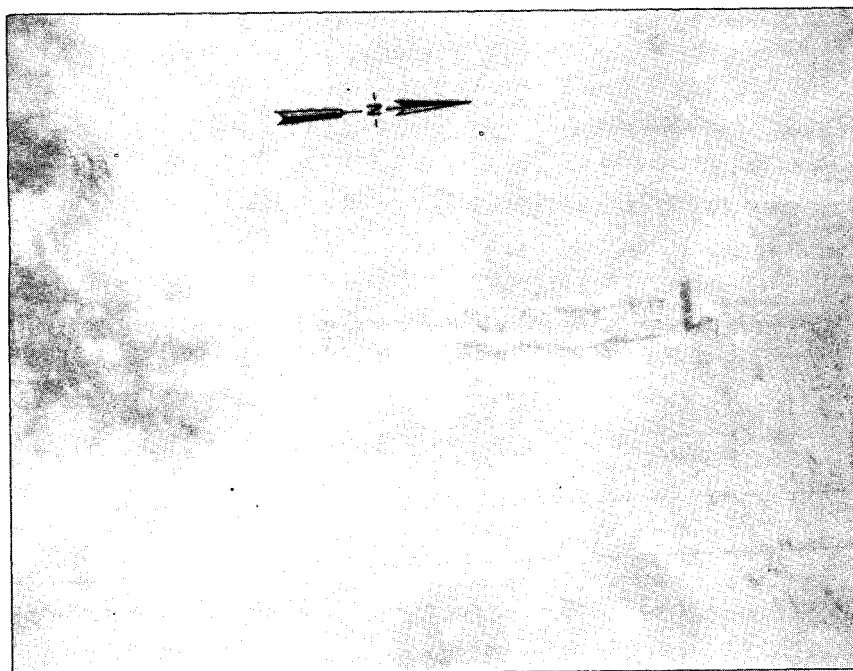
STATUS:

Spans completely dropped; one abutment destroyed; track which had been constructed across the top of the dropped spans has been destroyed.

COMPENSATIVE ACTION:

By-pass bridge W of main bridge is serviceable.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME La Khe Thon RR. Bridge over
Ngan Sau
Bridge No. 13 on NE 48-7

COUNTRY
North Vietnam

COORDINATES
18 03N - 105 49E
WE 870974

MAP JOG (A) 1501 NE 48-7

BRIEF NO:
PIB 75216
October 1966

LOCATION: 0.8 nm SE of La Khe Thon on the Vinh/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 360' approx.

WIDTH

TYPE

Deck-beam and half-through
truss

MATERIAL Wood, steel, concrete

NO. OF SPANS 8

LENGTH OF EACH SPAN

STATUS:

All spans destroyed; 5 piers destroyed.

COMPENSATIVE ACTION:

None apparent.

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Hai Duong RR. and Hwy. Bridge
over Thai Binh [REDACTED]
Bridge No. 8 on NF 48-15

COUNTRY
North Vietnam

COORDINATES
20 56N - 106 21E
XJ 415163

25X1

[REDACTED]
BRIEF NO:
PIB 75217
October 1966

MAP JOG (A) 1501 NF 48-15

LOCATION: 1.0 nm E of Hai Duong on Route 5 and Hanoi/Haiphong Rail Line.

DESCRIPTION:

25X1

LENGTH 1,290' approx.

MATERIAL Steel and concrete

WIDTH [REDACTED] (Single-track)

NO. OF SPANS 14

TYPE Combination through-arch truss
and temporary deck-beam

LENGTH OF EACH SPAN 2 @ 125' approx.
12 @ 85' approx.

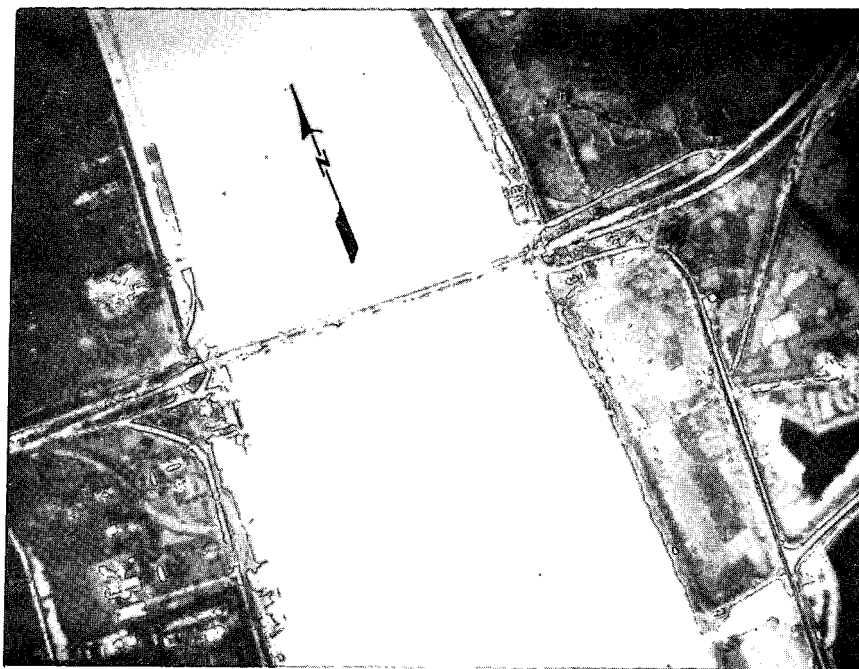
STATUS:

Bridge repaired and serviceable.

COMPENSATIVE ACTION:

By-pass bridge under construction north of bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME Thinh Lac RR. Bridge over stream	COUNTRY	COORDINATES
25X1	Bridge No. 12 on NE 48-3	North Vietnam	19 40N - 105 42E XG 741748
	MAP AMS JOG (A) 1501 NE 48-3	BRIEF NO: PIB 75218 October 1966	

LOCATION: 0.2 nm E of Thinh Lac on Hanoi/Vinh Rail Line.

DESCRIPTION:

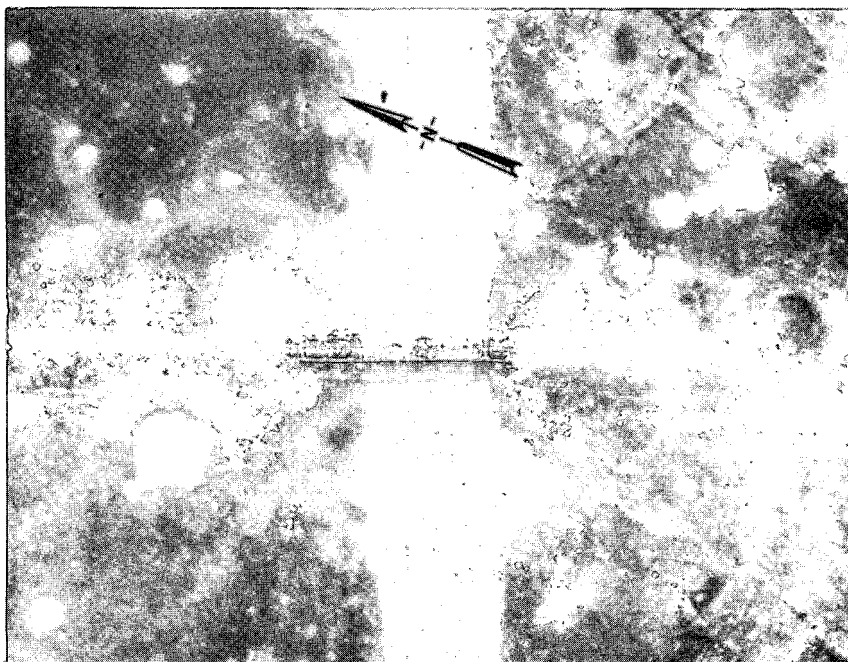
LENGTH	100' approx.	MATERIAL	Steel and concrete
WIDTH	10' approx. (Single-track)	NO. OF SPANS	3
TYPE	Through-truss	LENGTH OF EACH SPAN	35' approx.

STATUS:

Decking slightly damaged; one approach cratered; 1 abutment moderately damaged; truss slightly twisted.

COMPENSATIVE ACTION:

By-pass bridge 800' west.

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Thien Linh Dong RR. Bridge
 over Hoang Giang [REDACTED]
 Bridge No. 33 on NE 48-3

COUNTRY

North Vietnam

COORDINATES

19 43N - 105 42E
 XG 746817

25X1

BRIEF NO:

PIB 75219
 October 1966

MAP AMS JOG (A) 1501 NE 48-3

LOCATION: 0.8 nm W of Thien Linh Dong on Hanoi/Vinh Rail Line.

DESCRIPTION:

25X1

LENGTH 80' approx.

WIDTH [REDACTED]

TYPE

Deck-girder

MATERIAL Steel and concrete

NO. OF SPANS 2

LENGTH OF EACH SPAN 40' approx.

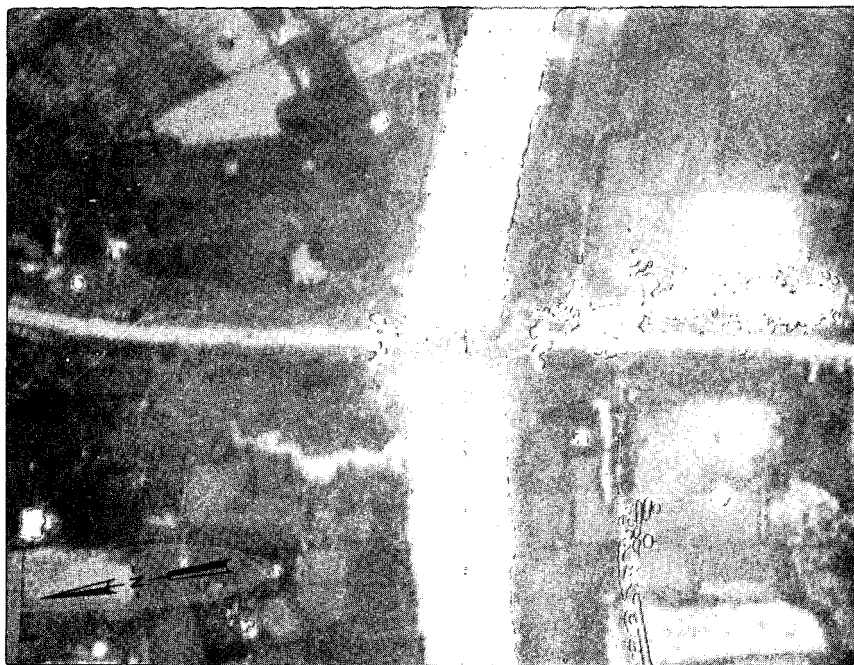
STATUS:

1 span dropped; 1 pier severely damaged; 1 span severely damaged.

COMPENSATIVE ACTION:

By-pass bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Trai Tranh Xom RR. Bridge Bridge No. 69 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 05N - 105 48E WE 850993
[REDACTED]		BRIEF NO: PIB 75220 October 1966
MAP JOG (A) 1501 NE 48-7		
LOCATION: 0.7 nm NW of Ia Khe Thon on the Vinh/Dong Hoi Rail Line.		

25X1

DESCRIPTION:

LENGTH
WIDTH
TYPE

[REDACTED]

(Single-track)

Trestle

MATERIAL Wood and concrete
NO. OF SPANS 3 probable
LENGTH OF EACH SPAN [REDACTED]

25X1

25X1

STATUS:

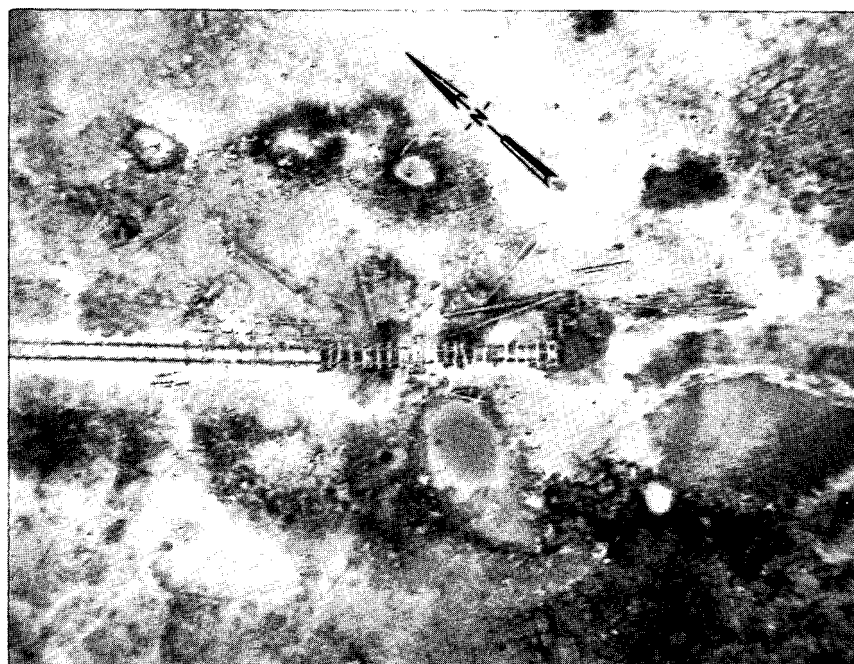
1 approach heavily cratered; 1 abutment destroyed; 1 span dropped.

COMPENSATIVE ACTION:

None

25X1

[REDACTED]



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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Xom Hoai RR. and Hwy. Bridge
 over Rao No
 Bridge No. 10 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 17N - 105 38E
 WF 676222

25X1

BRIEF NO:

PIB 75221
 October 1966

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.9 nm S of Phuong Dien on the Vinh/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 160' approx.
 WIDTH 5' approx. (Single-track)
 TYPE Deck-beam

MATERIAL Wood and concrete

NO. OF SPANS 5

LENGTH OF EACH SPAN

25X1

STATUS:

All spans and piers are destroyed; abutments are intact.

COMPENSATIVE ACTION:

By-pass bridge U/C east of original bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Yen My RR. and Hwy. Bridge N
over stream
Bridge No. 15 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 38N - 105 39E
WF 692608

25X1

BRIEF NO:

PIB 75222
October 1966

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.5 nm N of Do Yen on Vinh/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 60' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Concrete and steel
NO. OF SPANS 3
LENGTH OF EACH SPAN 20' approx.

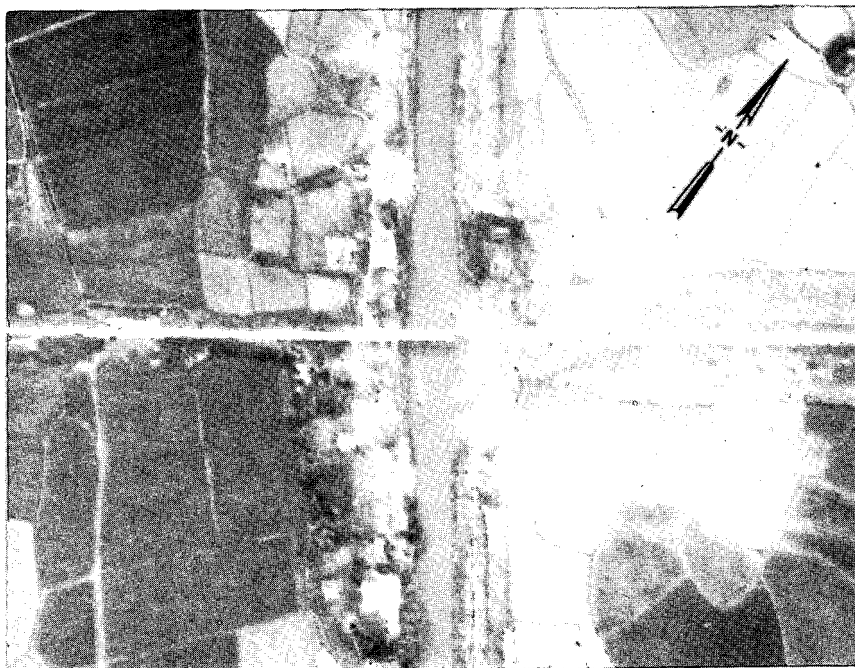
STATUS:

1 span destroyed.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Cau Dong Hwy. Bridge over stream 	COUNTRY		COORDINATES	
		Bridge No. 57 on NE 48-3		North Vietnam		19 34N - 105 46E WG 818635
25X1						BRIEF NO:
						PIB 75223 October 1966
	MAP	AMS L509 NE 48-3				
	LOCATION:	0.8 nm NE of Thuong Cong on Route 701.				

DESCRIPTION:

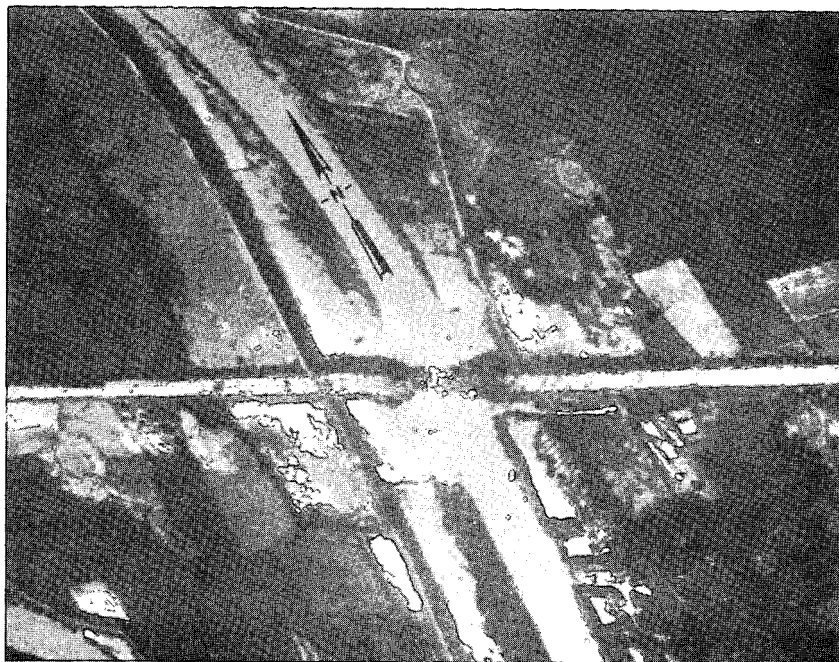
25X1	LENGTH	30' approx.	MATERIAL	Wood
	WIDTH		NO. OF SPANS	3
	TYPE	Deck	LENGTH OF EACH SPAN	10' approx.

STATUS:

Center span dropped; piers and abutments intact.

COMPENSATIVE ACTION:

None apparent.

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CIA IMAGERY ANALYSIS DIVISION

NAME Con De Xon RR. Bridge Bridge No. 69 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 04N - 105 48E WE 852989
25X1 MAP AMS JOG (A) 1501 NE 48-7		BRIEF NO: PIB 75224 October 1966
LOCATION: 0.7 nm NW of La Khe Thon on the Vinh/Dong Hoi Rail Line.		

DESCRIPTION:

LENGTH 55' approx.
 WIDTH 5' approx.
 TYPE Deck-beam

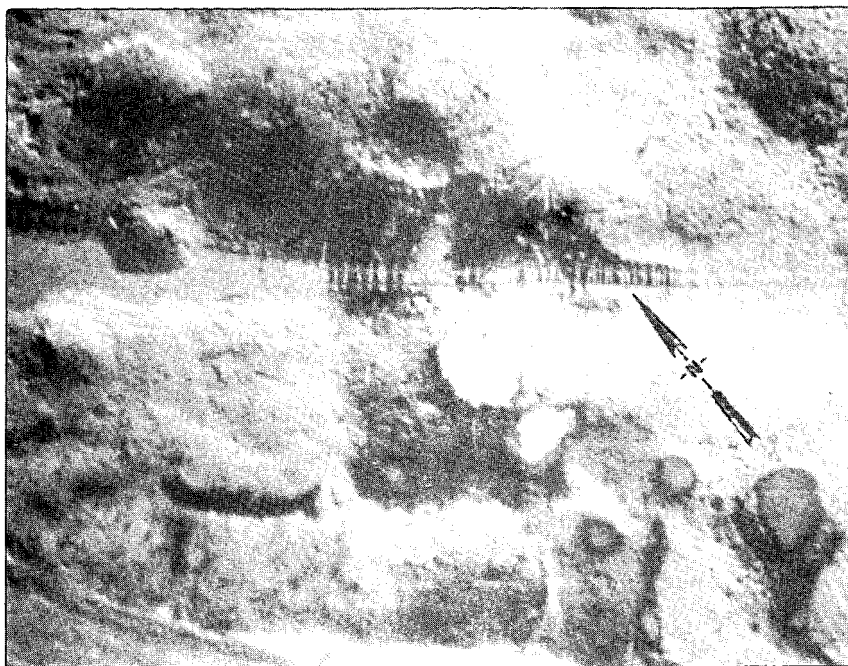
MATERIAL Wood and concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 55' approx.

STATUS:

Span heavily damaged; bridge is unserviceable.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Tho Ngoa Hwy. Bridge over stream <input type="text"/>	COUNTRY		COORDINATES	18 14N - 106 01E
		Bridge No. 21 on NE 48-7		North Vietnam		XE 070170
25X1		<input type="text"/>			BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-7				PIB 75226 October 1966

LOCATION: 0.7 nm NW of Tho Ngoa on Route 1A.

DESCRIPTION:

25X1	LENGTH	<input type="text"/>	MATERIAL	Concrete and steel
	WIDTH	20' approx.	NO. OF SPANS	7
	TYPE	Deck	LENGTH OF EACH SPAN	<input type="text"/>

25X1

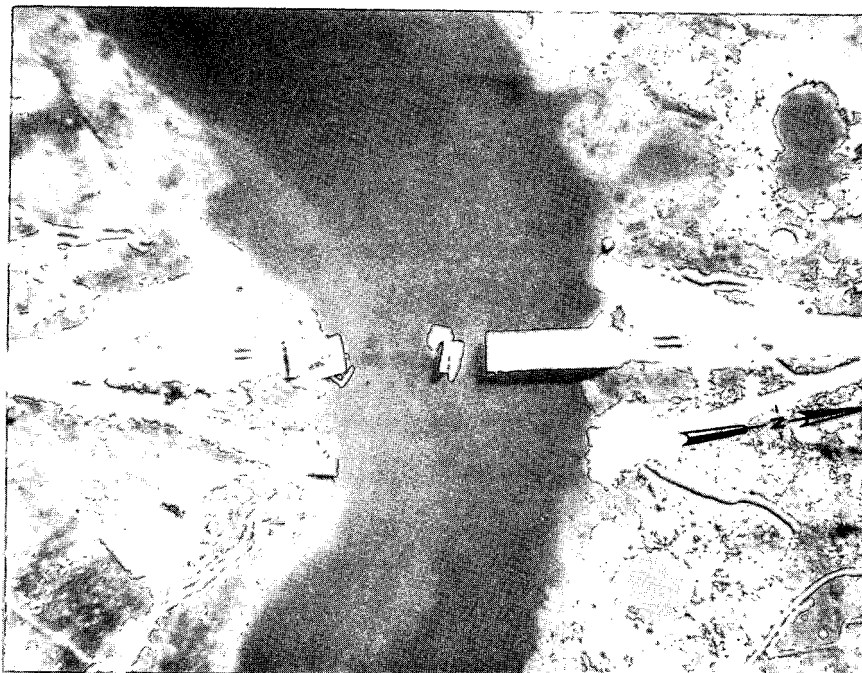
STATUS:

Dropped spans replaced by cables; no evidence of removeable decking.

COMPENSATIVE ACTION:

NA

25X1	<input type="text"/>
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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Vinh Linh Hwy. Bridge	COUNTRY		COORDINATES	
		Bridge No. 56 on NE 48-12		North Vietnam		17 03N - 107 01E YD 146869
25X1					BRIEF NO:	
						PIB 75227 October 1966
	MAP	JOG (A) NE 48-12				

LOCATION: 0.5 nm W of Vinh Linh on an unnumbered route connecting Route 1A and 101.

DESCRIPTION:

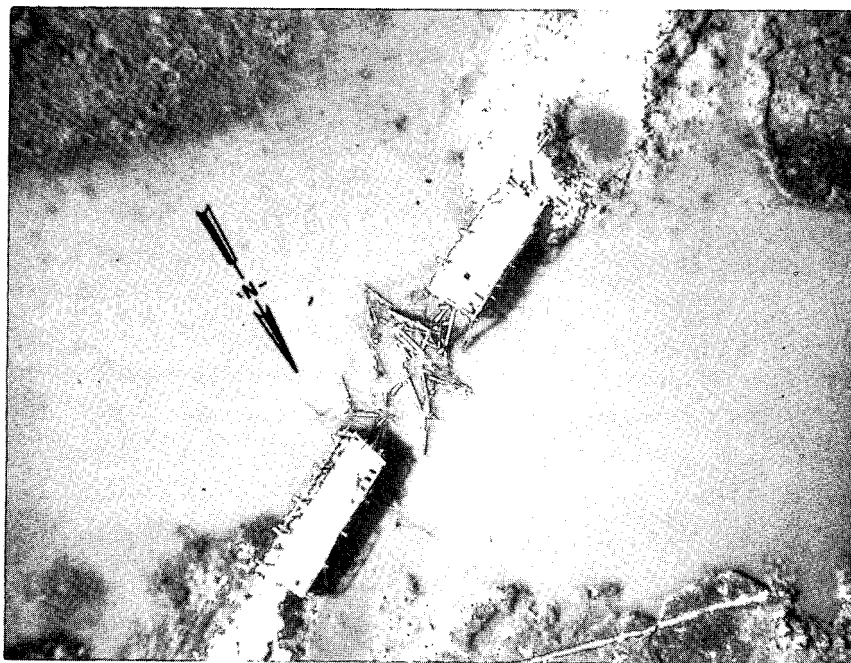
25X1	LENGTH		MATERIAL	Timber	25X1
	WIDTH		NO. OF SPANS	7 probable	
	TYPE		LENGTH OF EACH SPAN		
		Deck			

STATUS:

Three spans and 2 piers destroyed; 4 spans moderately damaged; both abutments severely damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Qui Vinh By-Pass No. 1 RR. Br. over Song Hoang Mai Bridge No. 1 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 15N - 105 41E WG 720302
---	--------------------------	--

25X1

MAP JOG (A) 1501 NE 48-3	BRIEF NO: PIB 75228 October 1966
--------------------------	--

LOCATION: 0.4 nm W of Qui Vinh on the Hanoi/Vinh Rail Line.

DESCRIPTION:

25X1

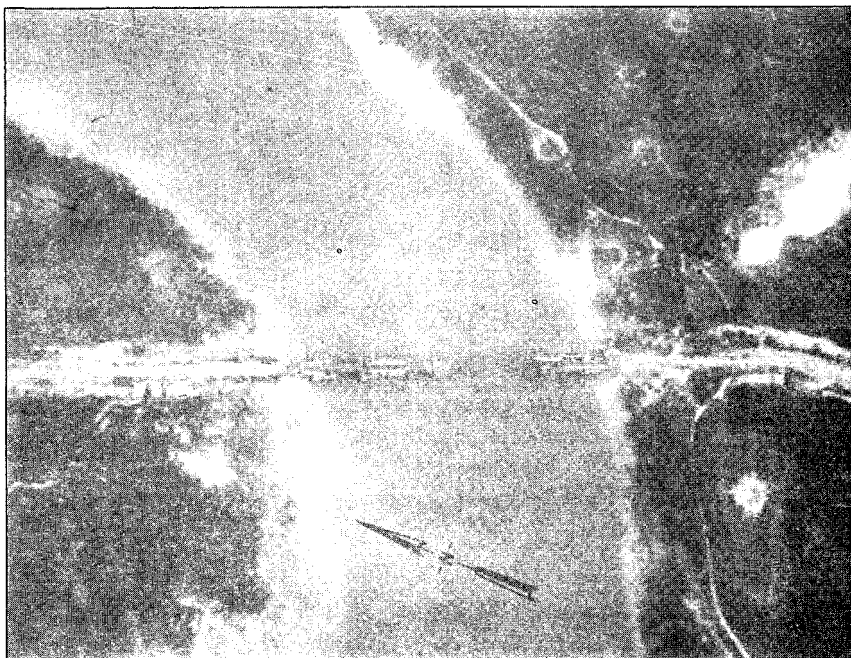
LENGTH 200' approx.	MATERIAL Wood
WIDTH (Single-track)	NO. OF SPANS 10 probable
TYPE Deck-beam	LENGTH OF EACH SPAN 20' approx.

STATUS:

Three spans destroyed; two spans possibly damaged.

COMPENSATIVE ACTION:

By-pass bridge No. 2 remains serviceable; by-pass bridge No. 3 under construction.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Quang Khe Hwy. Bridge No. 1 Bridge No. 38 on NE 48-11	North Vietnam	17 41N - 106 28E XE 568568
MAP AMS JOG (A) 1501 NE 48-11		BRIEF NO: PIB 75229 October 1966

LOCATION: 0.2 nm SW of Quang Khe on an unnumbered route.

DESCRIPTION:

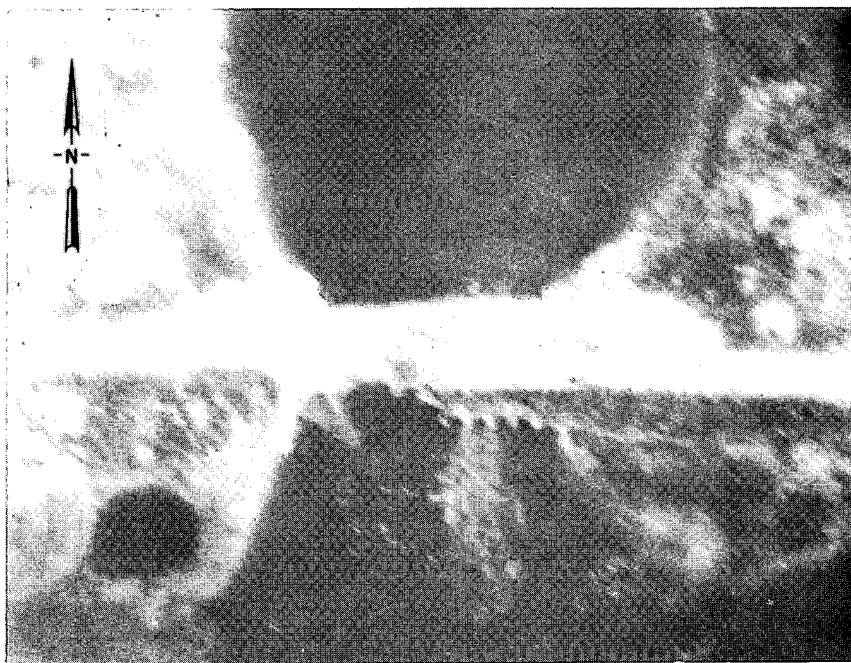
LENGTH	40' approx.	MATERIAL	Concrete
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Combination lock and deck-type bridge	LENGTH OF EACH SPAN	40' approx.

STATUS:

Span replaced; bridge is now serviceable.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Quang Khe Hwy. Bridge No. 2 Bridge No. 39 on NE 48-11	COUNTRY North Vietnam	COORDINATES 17 41N - 106 28E XE 567568
<div data-bbox="40 420 129 462">25X1</div>		BRIEF NO: PIB 75230 October 1966
MAP AMS JOG (A) 1501 NE 48-11		
LOCATION: 0.2 nm SW of Quang Khe on an unnumbered route.		

DESCRIPTION:

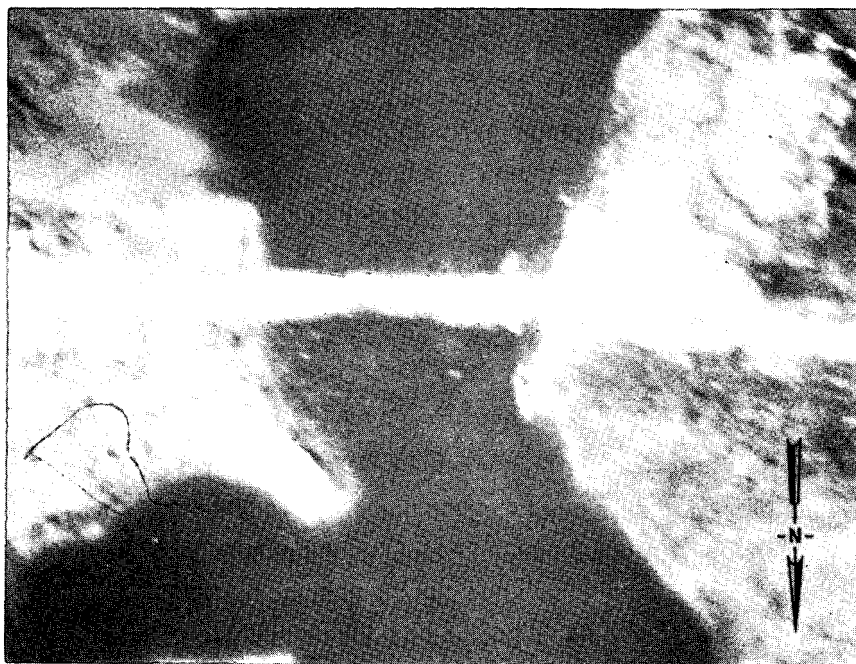
LENGTH	40' approx.	MATERIAL	Concrete
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Combination lock and deck-type bridge	LENGTH OF EACH SPAN	40' approx.

STATUS:

Crushed rock causeway has been replaced.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Dong Bai Hwy. Bridge Bridge No. 11 on NE 48-3	North Vietnam	19 08N - 105 37E WG 656166
[REDACTED]		BRIEF NO: PIB 75231 October 1966
MAP JOG 1501 NE 48-3		

LOCATION: 0.8 nm NE of Cao Hau on Route 1A.

DESCRIPTION:

LENGTH 95' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Steel and concrete

NO. OF SPANS 4

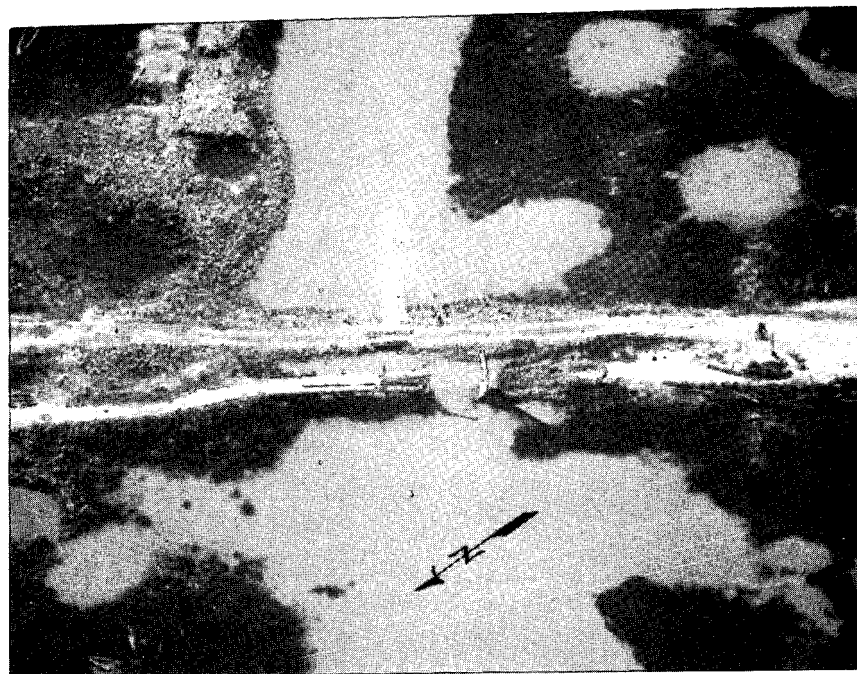
LENGTH OF EACH SPAN [REDACTED]

STATUS:

One span destroyed.

COMPENSATIVE ACTION:

Rock filled causeway by-pass.

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Dong Bai RR. Bridge over Song Tien [REDACTED] Bridge No. 11 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 09N - 105 43E WF 762079
	25X1	[REDACTED]			BRIEF NO:	PIB 75232 September 1966
	MAP	AMS L509 NE 48-7				
	LOCATION:	0.4 nm NNE of Dong Bai on the Vinh/Dong Hoi Rail Line.				

DESCRIPTION:

25X1	LENGTH	230' approx.	MATERIAL	Concrete and wood
	WIDTH	[REDACTED] (Single track)	NO. OF SPANS	5 probable
	TYPE	Deck	LENGTH OF EACH SPAN	4 @ 50' approx. 1 @ 30' approx.

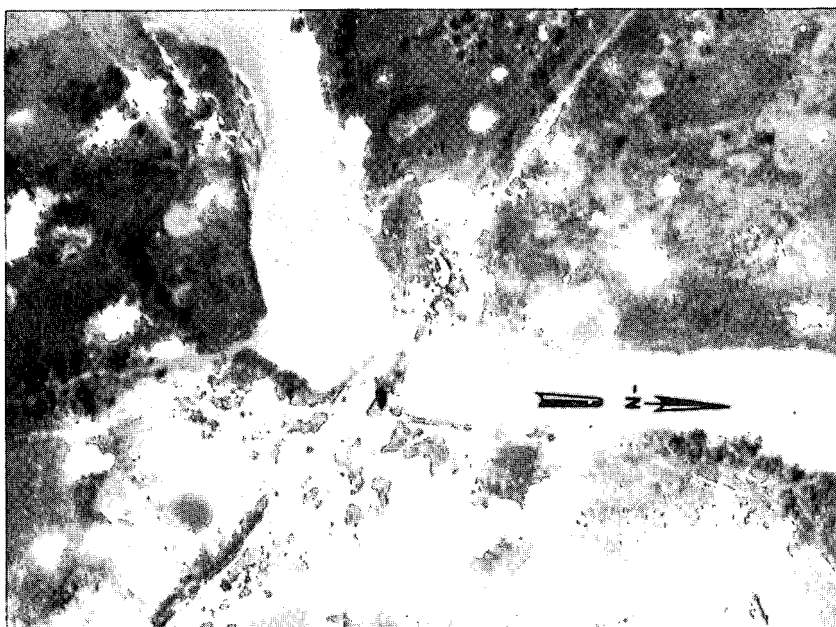
STATUS:

All the spans and piers destroyed; one abutment destroyed.

COMPENSATIVE ACTION:

By-pass and bridge U/C, 0.5 nm north of main bridge.

25X1

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~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Khe Thi Hwy. Bridge over Song Yen <input type="text"/>	COUNTRY		COORDINATES	19 37N - 105 39E WG 679699
		Bridge No. 55 on NE 48-3		North Vietnam		
25X1	<input type="text"/>					BRIEF NO:
						PIB 75233 October 1966
	MAP	JOG (A) 1501 NE 48-3				
LOCATION: At An Trach on Route 704.						

DESCRIPTION:

LENGTH 100' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Wood and concrete
 NO. OF SPANS 4
 LENGTH OF EACH SPAN 2 @ 35' approx.
 2 @ 15' approx.

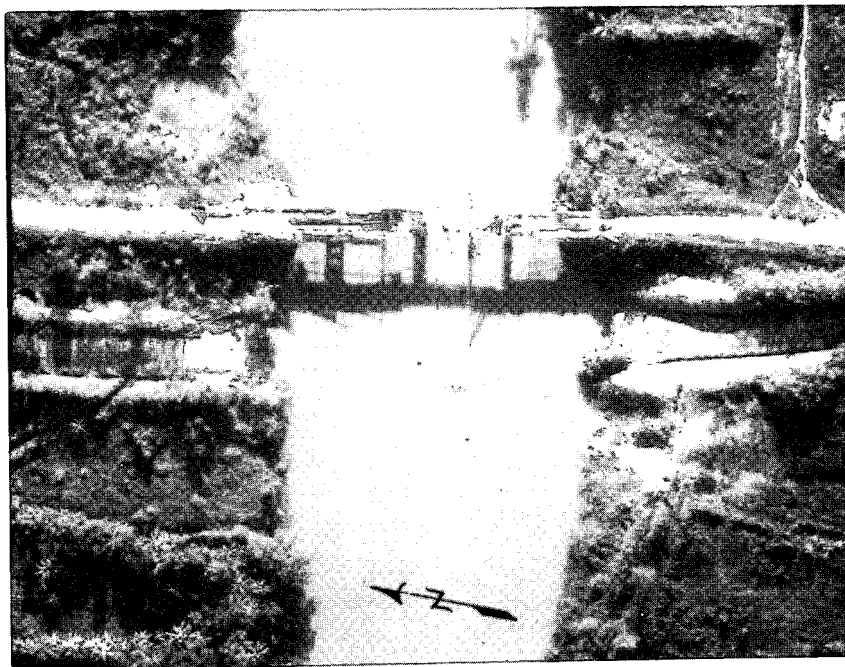
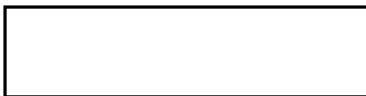
STATUS:

Bridge in late stages of repair.

COMPENSATIVE ACTION:

2 pontoon by-pass bridges; one ford.

25X1

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~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Lang Bun Hwy. Bridge No. 2 Bridge No. 54 on NE 48-7	North Vietnam	18 20N - 105 47E WF 840270
BRIEF NO:		
PIB 75234		
October 1966		
MAP	JOG (A) 1501 NE 48-7	

LOCATION: 1.1 nm W of Lang Bau on Route 152.

DESCRIPTION:

LENGTH 40' approx.
 WIDTH 10' approx.
 TYPE Deck

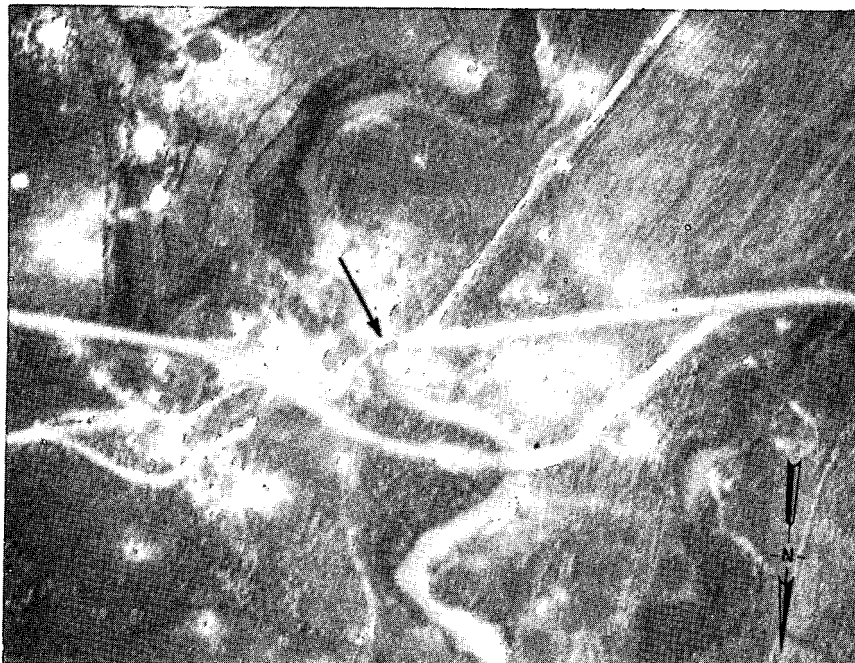
MATERIAL Wood
 NO. OF SPANS 1 probably
 LENGTH OF EACH SPAN 40' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Vinh Luu Hwy. Bridge over
Song Chau Lam
Bridge No. 31 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 20N - 105 53E
WF 928278

25X1

BRIEF NO:

PIB 75235
October 1966

MAP JOG (A) 1501 NE 48-7

LOCATION: 1.1 nm SE of Thanh Truai on Route 15.

DESCRIPTION:

25X1

LENGTH 120' approx.

WIDTH

TYPE Deck

MATERIAL Wood

NO. OF SPANS 6 probable

LENGTH OF EACH SPAN 20' approx.

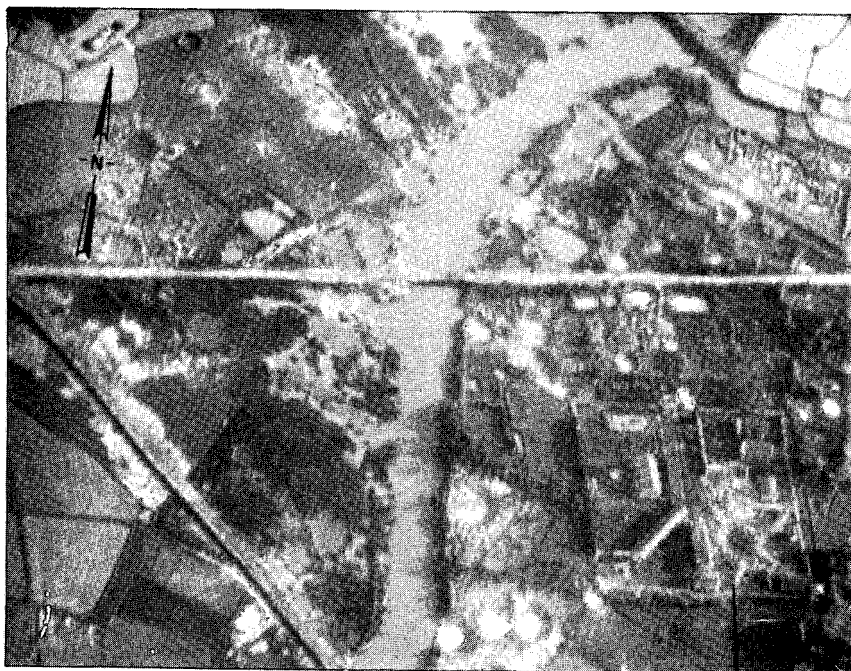
STATUS:

Bridge repaired and serviceable.

COMPENSATIVE ACTION:

By-pass road and possible ferry site.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Dong Ca Thon RR. Bridge over Cai Khe Bridge No. 48 on NE 48-11	COUNTRY North Vietnam	COORDINATES 17 53N - 106 01E XE 078787
MAP JOG (A) 1501 NE 48-11		BRIEF NO: PIB 75240 October 1966

LOCATION: 0.7 nm SW of Dong Ca Thon on Vinh/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH	100' approx.	MATERIAL	Steel
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Probable through-truss	LENGTH OF EACH SPAN	100' approx.

STATUS:

Repaired and serviceable.

COMPENSATIVE ACTION:

Through-truss bridge replaced by a 6-span timber deck-type bridge.

**CONFIDENTIAL**

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME Ngoc Diem RR. Bridge Bridge No. 18 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 09N - 105 36E WG 643186
MAP JOG (A) 1501 NE 48-3		BRIEF NO: PIB 75241 October 1966
LOCATION: 0.9 nm S of Xuan Loc on Route 194.		

DESCRIPTION:

LENGTH 50' approx.
WIDTH
TYPE Deck

MATERIAL Steel and concrete
NO. OF SPANS 2
LENGTH OF EACH SPAN 25' approx.

STATUS:

Bridge repaired; serviceable for highway traffic.

COMPENSATIVE ACTION:

NA

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Trai Tran Xom RR. Bridge Bridge No. 69 on NE 48-7	North Vietnam	18 05N - 105 48E WE 850993
[REDACTED]		BRIEF NO: PIB 75242 October 1966
MAP	JOG (A) 1501 NE 48-7	

LOCATION: 0.6 nm SW of Con De Xom on Vinh - Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 55' approx.
WIDTH 5' approx.
TYPE Trestle

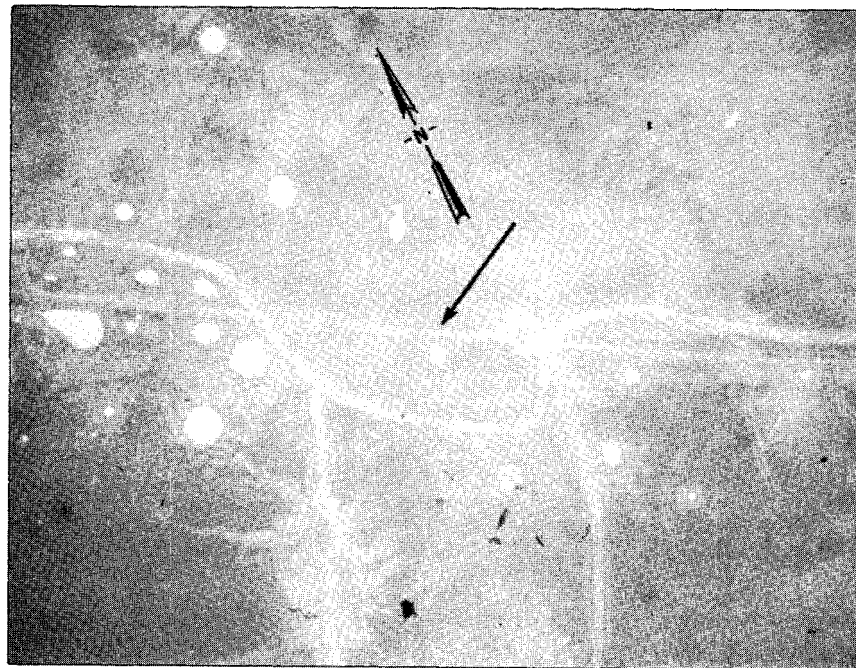
MATERIAL Wood
NO. OF SPANS 3 probable
LENGTH OF EACH SPAN [REDACTED]

STATUS:

Abutment and span repaired; bridge is now serviceable.

COMPENSATIVE ACTION:

None

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~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME

Xom Nhan Hwy. Bridge
Bridge No. 73 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 30N - 105 24E
WF 434464

25X1

BRIEF NO:

PIB 75243
October 1966

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.3 nm E of Xom Nhan on Route 8.

DESCRIPTION:

LENGTH 55' approx.

WIDTH

TYPE

Deck

MATERIAL Wood, and concrete

NO. OF SPANS 1

LENGTH OF EACH SPAN 55' approx.

25X1

STATUS:

Span dropped.

COMPENSATIVE ACTION:

By-pass bridge.

25X1

~~CONFIDENTIAL~~GROUP 1
Excluded from automatic
downgrading and declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	Xom Ca Trang Hwy. Bridge By-pass No. 1 Bridge No. 3 on NE 48-11	COUNTRY	North Vietnam	COORDINATES	17 57N - 105 48E WE 850847
MAP	JOG (A) 1501 NE 48-11			BRIEF NO:	PIB 75244 October 1966

LOCATION: 1.1 nm W of Xom Ca Trang on Route 15.

DESCRIPTION:

LENGTH 300' approx.
WIDTH
TYPE Deck

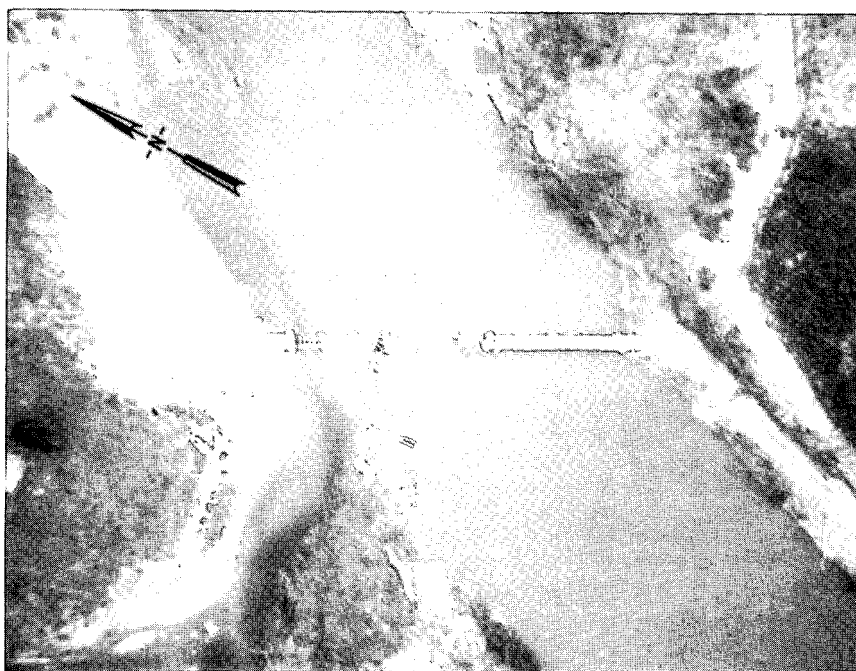
MATERIAL Wood
NO. OF SPANS 12 probable
LENGTH OF EACH SPAN 25' approx.

STATUS:

5 spans destroyed; 1 span lightly damaged; 1 span severely damaged;
2 piers destroyed; 3 piers moderately damaged.

COMPENSATIVE ACTION:

None

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~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Phuong Tieu Hwy. Bridge S

COUNTRY

COORDINATES

over Cao Ngo Giang
Bridge No. 52 on NE 48-12

North Vietnam

17 06N - 106 49E
XD 943920

25X1

BRIEF NO:

MAP JOG (A) 1501 NE 48-12

PIB 75245
October 1966

LOCATION: 1.7 nm S of Phuong Tieu on Route 101.

DESCRIPTION:

LENGTH 30' approx.

MATERIAL Timber

WIDTH

NO. OF SPANS 2

TYPE

Deck

LENGTH OF EACH SPAN 15' approx.

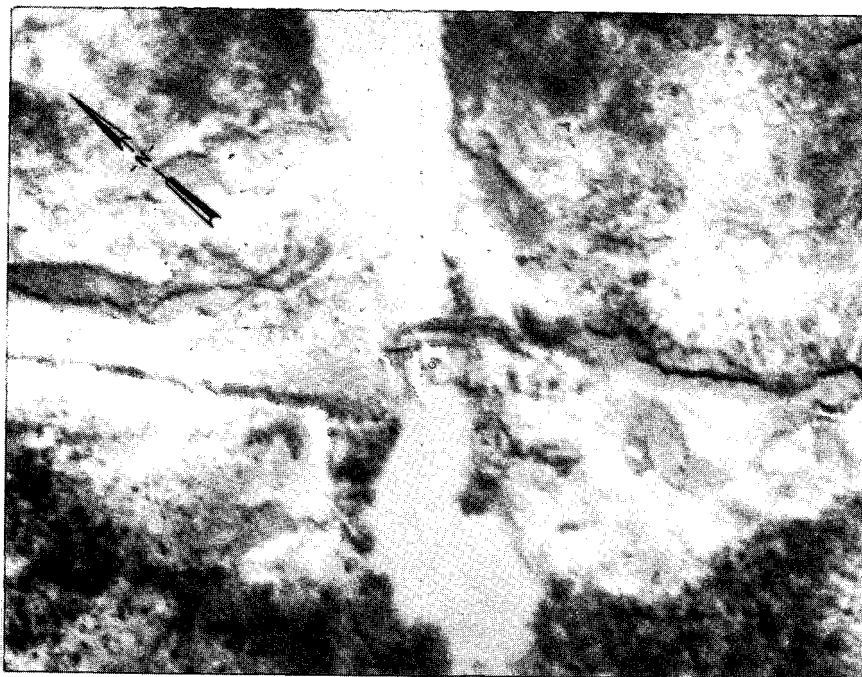
25X1

STATUS:

Both spans dropped.

COMPENSATIVE ACTION:

By-pass road and ford.

~~CONFIDENTIAL~~

CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Dong Ca Thon RR. Bridge over	COUNTRY	North Vietnam	COORDINATES	17 53N - 106 01E XE 078787
		Cai Khe [REDACTED] Bridge No. 48 on NE 48-11				

25X1		BRIEF NO: PIB 75246 October 1966
	MAP	

LOCATION: 0.7 nm SW of Dong Ca Thon on Vinh/Dong Hoi Rail Line.

DESCRIPTION:

25X1

25X1

LENGTH
WIDTH
TYPE

[REDACTED]

Deck

Single-track)

MATERIAL Timber

NO. OF SPANS 6

LENGTH OF EACH SPAN

STATUS:

3 spans and 2 piers dropped.

COMPENSATIVE ACTION:

None

25X1

[REDACTED]

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~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ly Nhon Bac RR. Bridge (abandoned) Bridge No. 58 on NE 48-12	North Vietnam	17 31N - 106 34E XE 663380
<div data-bbox="40 424 126 457" style="position: absolute; left: -40px; top: 0;">25X1</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO:
MAP JOG (A) 1501 NE 48-12		PIB 75247 October 1966

LOCATION: 1.2 nm S of Ly Nhon Bac on Route 1A.

DESCRIPTION:

LENGTH 60' approx.

WIDTH

TYPE

Deck

MATERIAL Concrete

NO. OF SPANS 2

LENGTH OF EACH SPAN 30' approx.

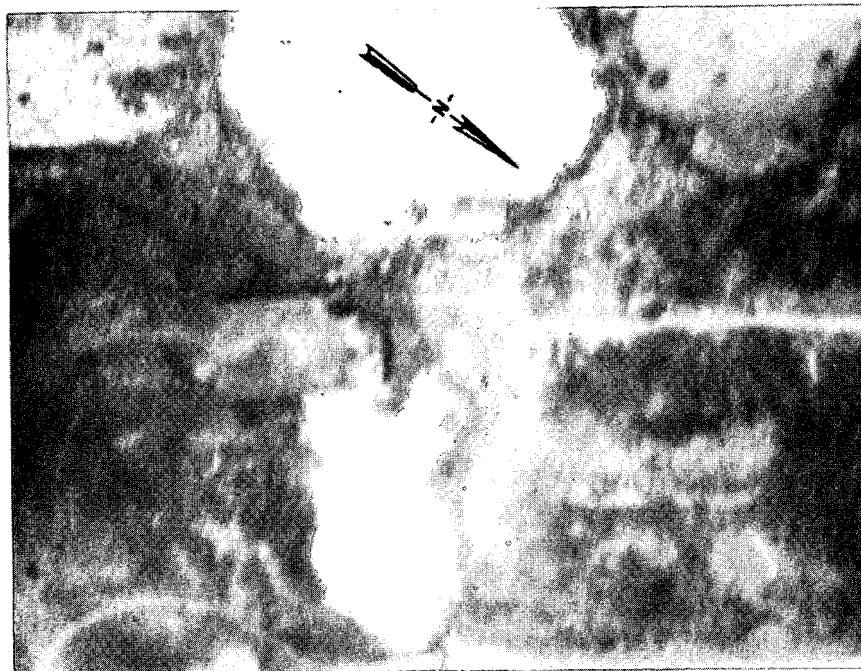
25X1

STATUS:

1 span destroyed, 1 end of other span dropped.

COMPENSATIVE ACTION:

None apparent.

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Hoan Lao Hwy. Bridge W over stream <input type="text"/> Bridge No. 25 on NE 48-12	COUNTRY	North Vietnam	COORDINATES	17 35N - 106 31E XE 620455
	25X1	<input type="text"/>			BRIEF NO:	PIB 75248 October 1966
	MAP	JOG (A) 1501 NE 48-12				
	LOCATION:	0.8 nm NW of Hoan Lao on Route 107.				

DESCRIPTION:

25X1	LENGTH	<input type="text"/>	MATERIAL	Wood and concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	6
	TYPE	Deck	LENGTH OF EACH SPAN	<input type="text"/>

25X1

STATUS:

2 piers destroyed; all spans destroyed; abutments intact.

COMPENSATIVE ACTION:

By-pass causeway.

25X1

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CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

NAME

Hoa Loc Hwy. Bridge
Bridge No. 57 on NE 48-12

COUNTRY

North Vietnam

COORDINATES

17 05N - 106 58E
YD 101891

25X1

MAP

JOG (A) 1501 NE 48-12

BRIEF NO:

PIB 75249
October 1966

LOCATION: 1.2 nm NW of Thuong Lap on unnumbered route.

DESCRIPTION:

25X1

LENGTH

WIDTH

TYPE

Deck

MATERIAL Wood and concrete

NO. OF SPANS 5

LENGTH OF EACH SPAN

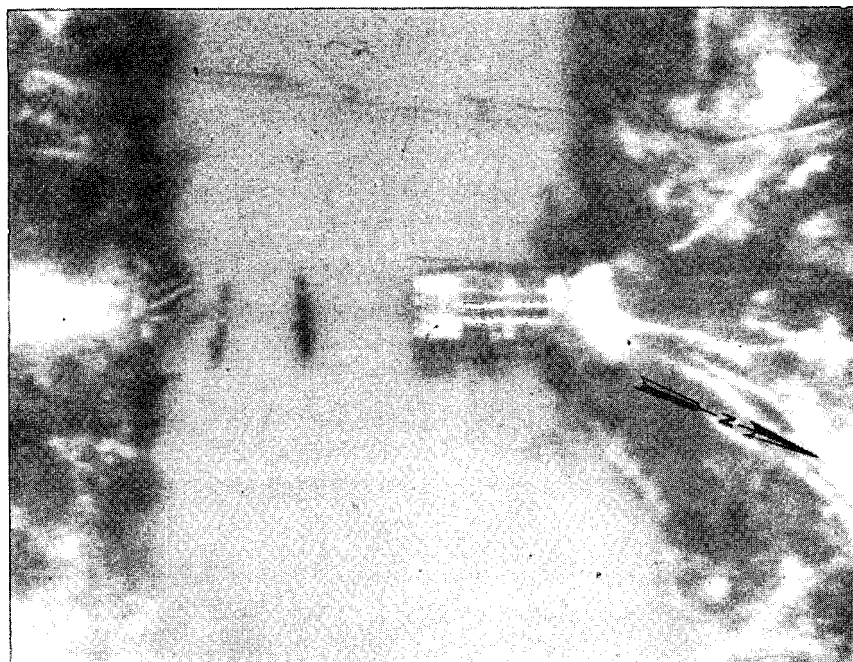
25X1

STATUS:

Three spans destroyed; 2 spans damaged; abutments intact.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Hau Thach Hwy. Bridge Bridge No. 15 on NE 48-3	North Vietnam	19 29N - 105 47E WG 837543
MAP JOG (A) 1501 NE 48-3		BRIEF NO: PIB 75250 October 1966

LOCATION: 0.5 nm NW of Hau Thach on Route 1A.

DESCRIPTION:

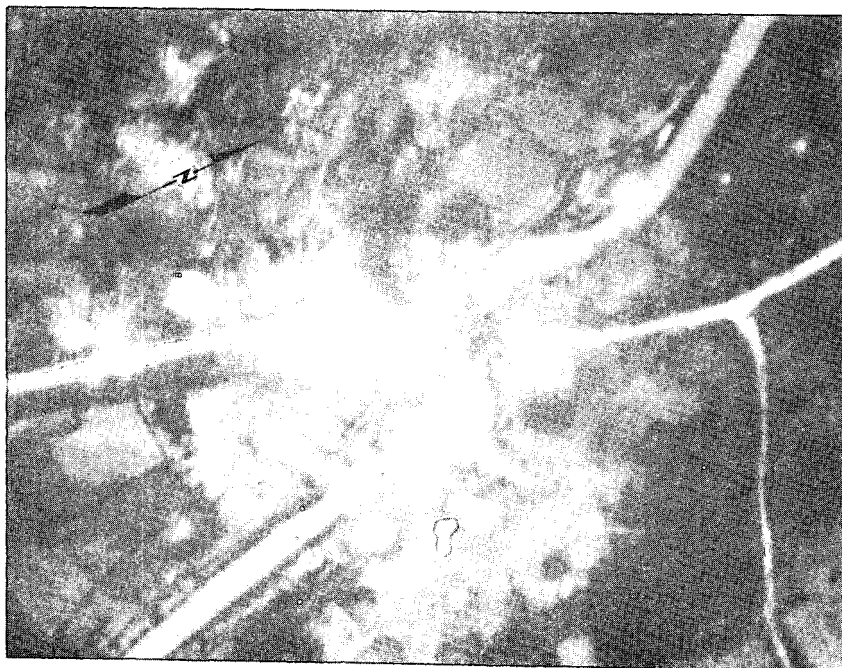
LENGTH
WIDTH
TYPE10' approx.
DeckMATERIAL Wood and concrete
NO. OF SPANS 2 possible
LENGTH OF EACH SPAN

STATUS:

Decking damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Xom Khe RR. Bridge over Khe Net [REDACTED] Bridge No. 11 on NE 48-11	COUNTRY	North Vietnam	COORDINATES	17 58N - 105 56E WF 987978
	25X1	[REDACTED]			BRIEF NO:	PIB 75251 October 1966
	MAP	JOG (A) 1501 NE 48-11				
LOCATION: 0.2 nm SW of Xom Khe on the Vinh/Dong Hoi Rail Line.						

DESCRIPTION:

25X1	LENGTH	200' approx.	MATERIAL	Timber
	WIDTH	[REDACTED] (Single-track)	NO. OF SPANS	4
	TYPE	Deck-beam bridge supported by lattice towers	LENGTH OF EACH SPAN	50' approx.

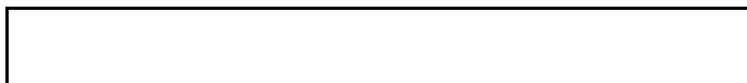
STATUS:

Replaced and possibly serviceable.

COMPENSATIVE ACTION:

A wood, deck-type bridge supported by 10 A-frames and cables has been constructed at the bridge site. There is no connection between the short segment of track over the bridge and the main rail line. This bridge may be used to shuttle material over the river.

25X1

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~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Phuong Do Hwy. Bridge Bridge No. 15 on NF 48-11	North Vietnam	21 28N - 105 57E WJ 992748
[REDACTED]		BRIEF NO:
MAP AMS JOG (A) 1501 NF 48-11		PIB 75252 October 1966

LOCATION: 1.2 nm N of Phuong Do on an unnumbered route.

DESCRIPTION:

LENGTH 30' approx.
WIDTH [REDACTED]
TYPE Deck

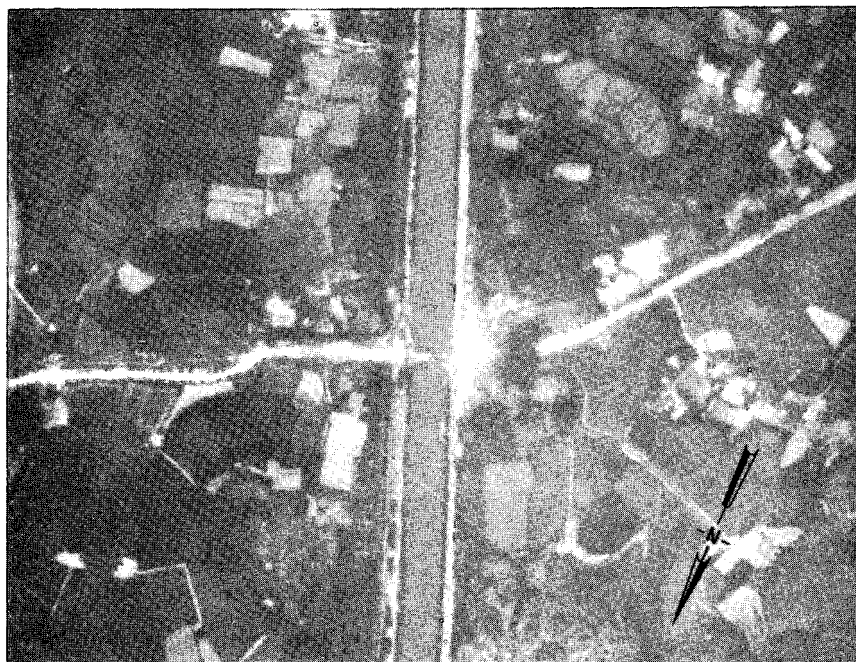
MATERIAL Wood
NO. OF SPANS 2 probable
LENGTH OF EACH SPAN 15' approx.

STATUS:

1 span dropped.

COMPENSATIVE ACTION:

None

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CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

NAME Hoang Le Hwy. Bridge Bridge No. 47 on NE 48-11	COUNTRY North Vietnam	COORDINATES 17 59N - 106 28E XE 550805
25X1 <input type="text"/>		BRIEF NO: PIB 75253 October 1966
MAP JOG (A) 1501 NE 48-11		

LOCATION: 1.3 nm NW of Hoang Le on Route 1A.

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

Deck

MATERIAL Concrete

NO. OF SPANS 1

LENGTH OF EACH SPAN

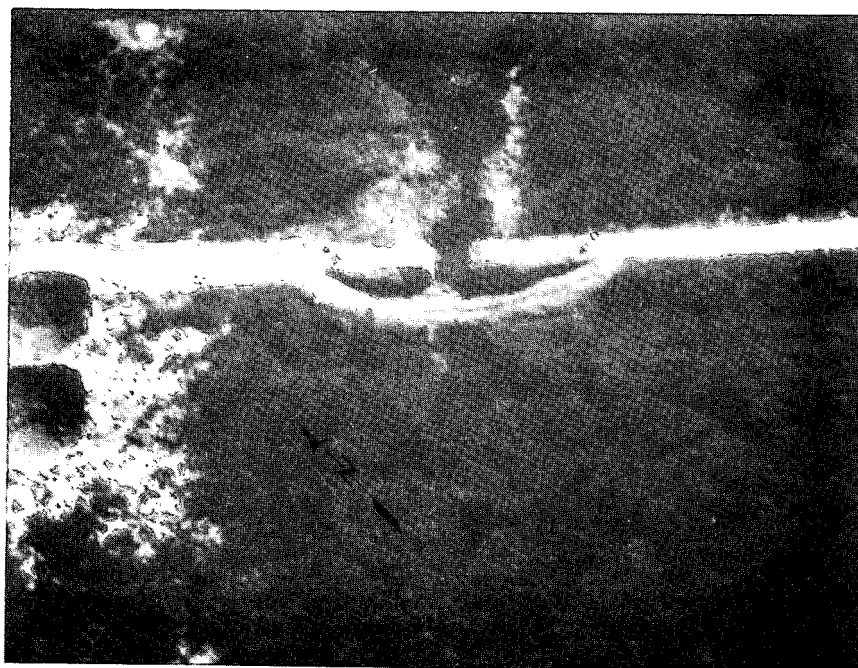
25X1

STATUS:

Span destroyed; abutments intact.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME

Xom Phuong RR. Bridge
Bridge No. 4 on NE 48-12

COUNTRY

North Vietnam

COORDINATES

17 32N - 106 33E
XE 643405

25X1

BRIEF NO:

PIB 75254
October 1966

MAP JOG (A) 1501 NE 48-12

LOCATION: 0.3 nm S of Xom Phuong on abandoned Vinh/Dong Hoi RR.

DESCRIPTION:

LENGTH 350' approx.

WIDTH

TYPE

Deck

MATERIAL Concrete

NO. OF SPANS 7

LENGTH OF EACH SPAN 50' approx.

25X1

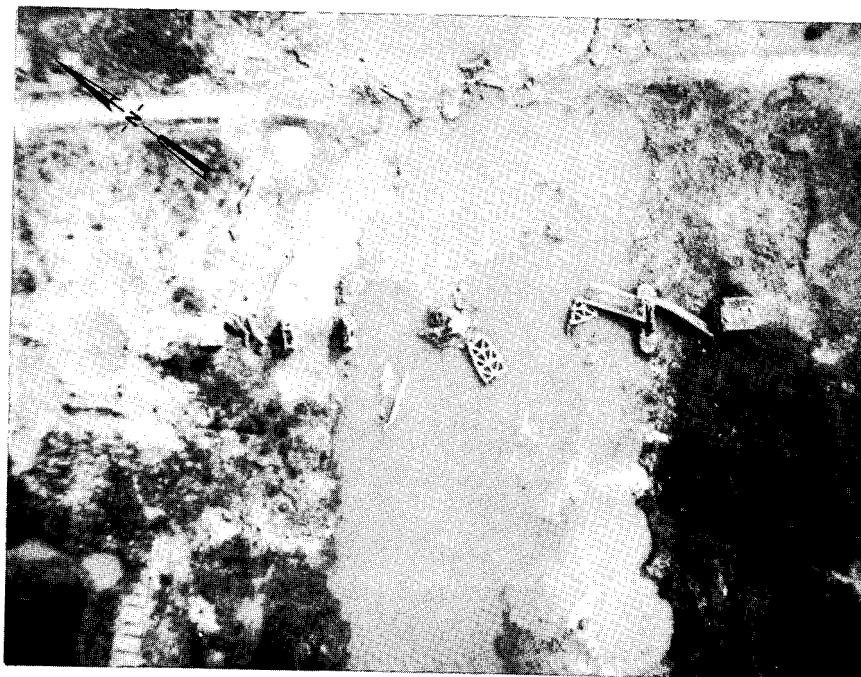
STATUS:

7 spans destroyed; 3 piers destroyed.

COMPENSATIVE ACTION:

None

25X1

**CONFIDENTIAL**

GROUP 1

Excluded from automatic
downgrading and declassification

CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Dong Lac Hwy. Bridge No. 2	COUNTRY		COORDINATES	18 11N - 106 10E
		over Bau Den [REDACTED]				
25X1		Bridge No. 65 on NE 48-7	North Vietnam			XF 238117
		[REDACTED]			BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-7			PIB 75255	
					October 1966	

LOCATION: 0.3 nm SSW of Son Kinh on unnumbered route.

DESCRIPTION:

25X1	LENGTH	100' approx.	MATERIAL	Concrete and wood
	WIDTH	[REDACTED]	NO. OF SPANS	5
	TYPE	Deck	LENGTH OF EACH SPAN	20' approx.

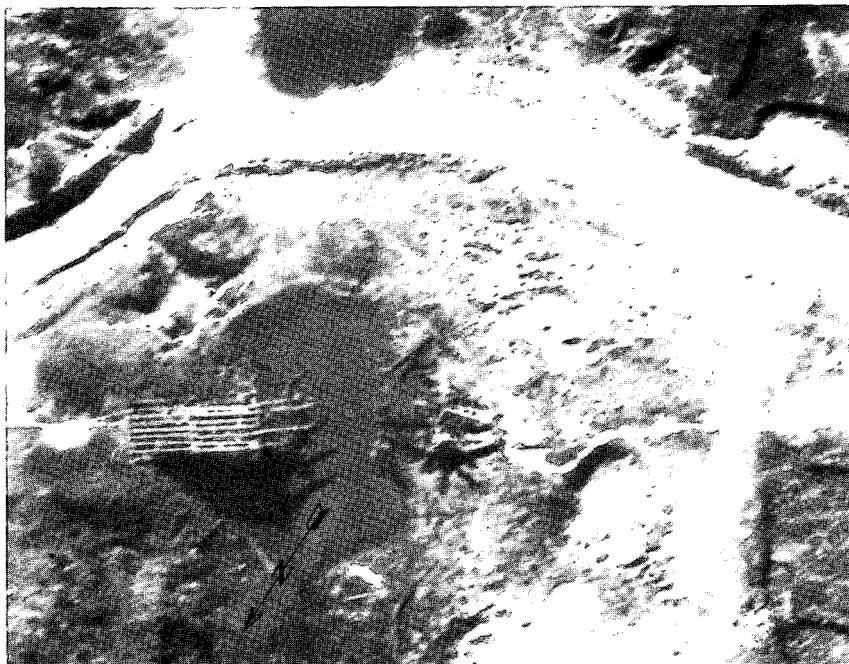
STATUS:

3 spans destroyed; piers damaged; one abutment damaged.

COMPENSATIVE ACTION:

Ford

25X1 [REDACTED]

**CONFIDENTIAL**

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME Huu Lai RR. Bridge Bridge No. 51 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 22N - 105 44E WG 780429
<div data-bbox="51 424 138 457" data-label="Text">25X1</div>		BRIEF NO: PIB 75256 October 1966
MAP AMS JOG (A) 1501 NE 48-3		
LOCATION: 0.9 nm NW of Huu Lai on Hanoi-Vinh Rail Line.		

DESCRIPTION:

LENGTH 60' approx.
 WIDTH 10' approx.
 TYPE Half-through truss

MATERIAL Steel and concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 60' approx.

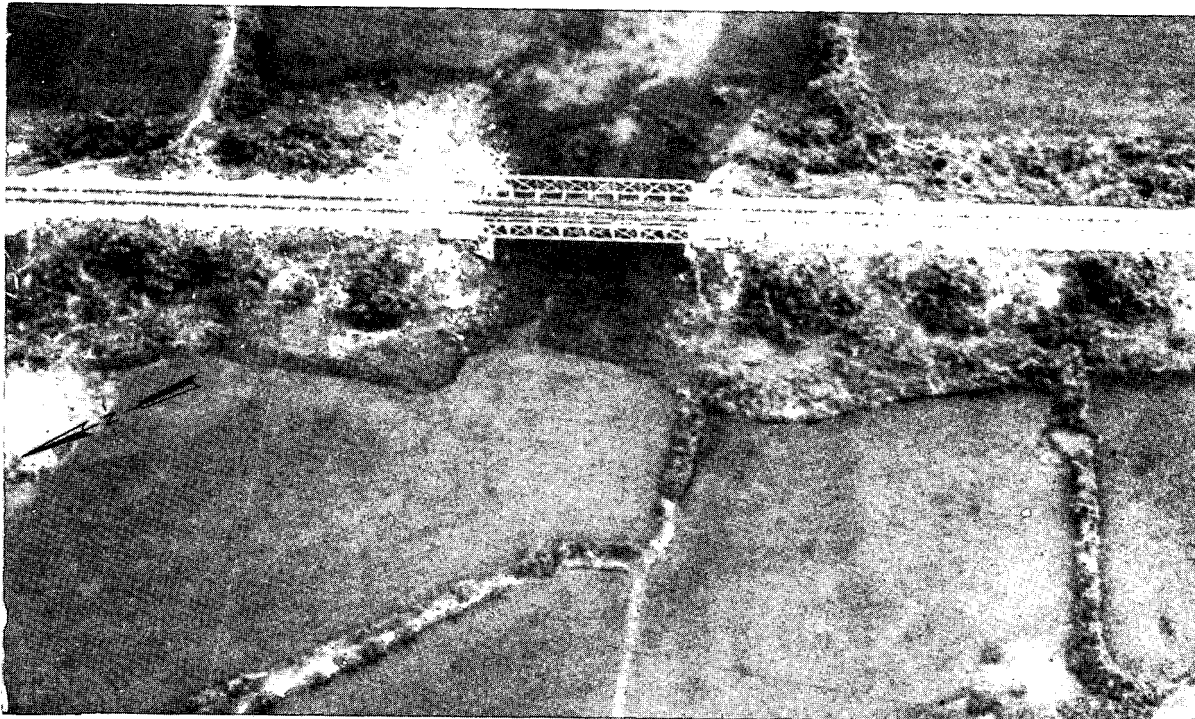
STATUS:

Pre-strike

COMPENSATIVE ACTION:

NA

25X1

~~CONFIDENTIAL~~

CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

NAME Huu Lai RR. Bridge Bridge No. 51 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 22N - 105 44E WG 780429
MAP JOG (A) 1501 NE 48-3		BRIEF NO: PIB 75257 October 1966

25X1

LOCATION: 0.9 nm NW of Huu Lai on Hanoi - Vinh Rail Line.

DESCRIPTION:

LENGTH 60' approx.
 WIDTH 10' approx.
 TYPE Half-through truss

MATERIAL Steel and concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 60' approx.

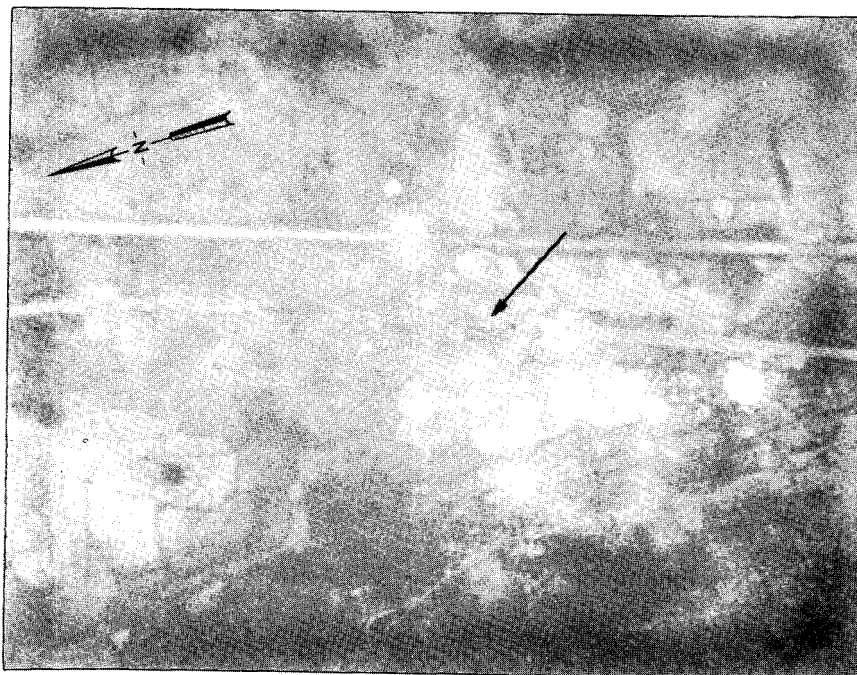
STATUS:

Span dropped; south abutment damaged; south approach cratered.

COMPENSATIVE ACTION:

Probable reconstruction activity.

25X1

**CONFIDENTIAL**

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CIA IMAGERY ANALYSIS DIVISION

NAME Thach Luyen Hwy. Bridge Bridge No. 31 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 19N - 105 43E WG 758370
25X1 [REDACTED]		BRIEF NO: PIB 75258 October 1966
MAP AMS JOG (A) 1501 NE 48-3		
LOCATION: At Thach Luyen on Route No. 1A.		

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

MATERIAL Concrete
NO. OF SPANS 6
LENGTH OF EACH SPAN

25X1

STATUS:

Bridge destroyed.

COMPENSATIVE ACTION:

None

25X1

**CONFIDENTIAL**

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Cho Moi Hwy. Bridge over Song	COUNTRY		COORDINATES
	Cho <input type="text"/>		North Vietnam		21 52N - 105 46E WK 802195
25X1	Bridge No. 1 on NF 48-11				BRIEF NO:
					PIB 75259 October 1966
	MAP	JOG (A) 1501 NF 48-11			
LOCATION: 0.4 nm SW of Cho Moi on Route 3.					

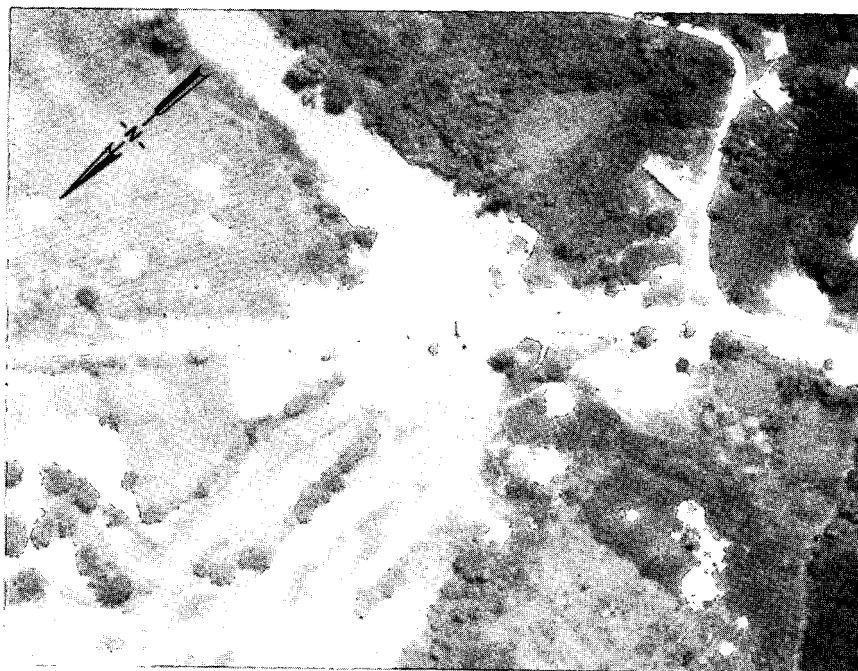
DESCRIPTION:

25X1	LENGTH	<input type="text"/>	MATERIAL	Concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	3
	TYPE	Deck	LENGTH OF EACH SPAN	<input type="text"/>
STATUS: Bridge destroyed.				

COMPENSATIVE ACTION:

Bridge is in early stages of reconstruction.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Kieu Moc Phuong Hwy. Bridge	COUNTRY		COORDINATES	
	W over stream				17 51N - 106 03E	
25X1		Bridge No. 25 on NE 48-11	North Vietnam		XE 128743	
					BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-11			PIB 75260	
	LOCATION:	0.8 nm SE of Tam Dong Phuong on Vinh/Dong Hoi Rail Line.				

DESCRIPTION:

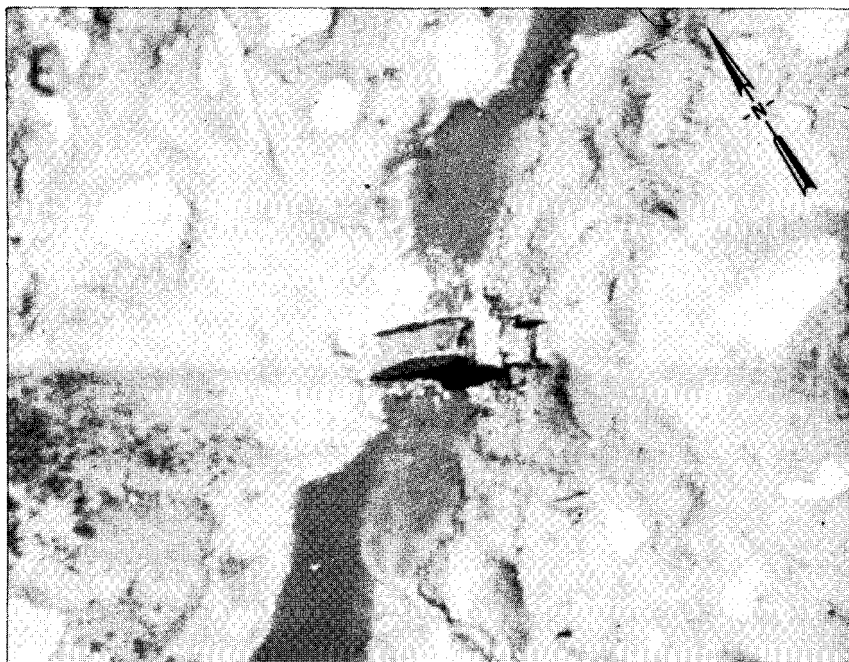
25X1	LENGTH	110' approx.	MATERIAL	Concrete
	WIDTH		NO. OF SPANS	3
	TYPE	Deck	LENGTH OF EACH SPAN	2 @ 25' approx. 1 @ 60' approx.

STATUS:

1 abutment destroyed; one 25' span destroyed; 1 pier destroyed;
60' span dropped.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ham Hoa Hwy. Bridge Bridge No. 59 on NE 48-12	North Vietnam	17 03N - 107 00E YE 148875
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO:
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		PIB 75261 October 1966
MAP JOG (A) 1501 NE 48-12		

25X1

LOCATION: 1.2 nm NE of Ham Hoa on an unnumbered route.

DESCRIPTION:

25X1

 LENGTH
 WIDTH
 TYPE

 10' approx.
 Deck

 MATERIAL Timber
 NO. OF SPANS 8 possible
 LENGTH OF EACH SPAN

25X1

STATUS:

2 spans dropped.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Bai Xai Hwy. Bridge over stream
 Bridge No. 16 on NE 48-2

25X1 COUNTRY North Vietnam

COORDINATES 19 08N - 104 42E
VG 681160

25X1 BRIEF NO:
PIB 75262
October 1966

MAP AMS L509 NF 48-2

LOCATION: 1 nm SW of Bai Xai on Route 7.

DESCRIPTION:

25X1 LENGTH 100' approx.
 WIDTH
 TYPE Deck

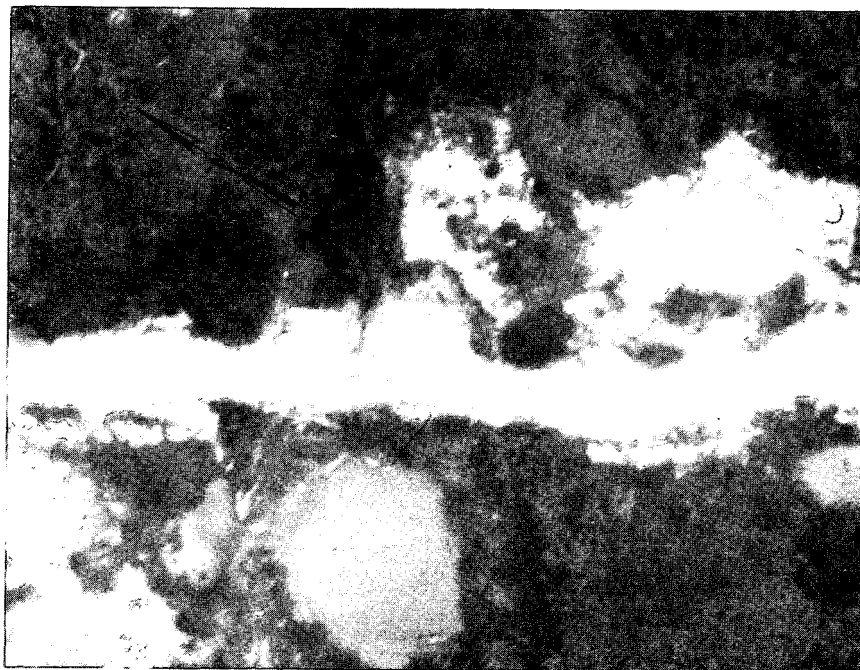
MATERIAL Timber and concrete
 NO. OF SPANS 5 probable
 LENGTH OF EACH SPAN 20' approx.

STATUS:

Replaced by probable rock-fill causeway and culvert.

COMPENSATIVE ACTION:

By-pass road and temporary timber bridge.

25X1 **CONFIDENTIAL**

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CIA IMAGERY ANALYSIS DIVISION

NAME Canh Trap Hwy. Bridge

COUNTRY

COORDINATES

Bridge No. 12 on NE 48-2

North Vietnam

19 13N - 104 32E

VG 514251

BRIEF NO:

PIB 75263

October 1966

MAP JOG (A) 1501 NE 48-2

LOCATION: 0.2 nm W of Canh Trap on Route 7.

DESCRIPTION:

LENGTH 30' approx.

MATERIAL Timber

WIDTH 10' approx.

NO. OF SPANS 2

TYPE Deck

LENGTH OF EACH SPAN 15' approx.

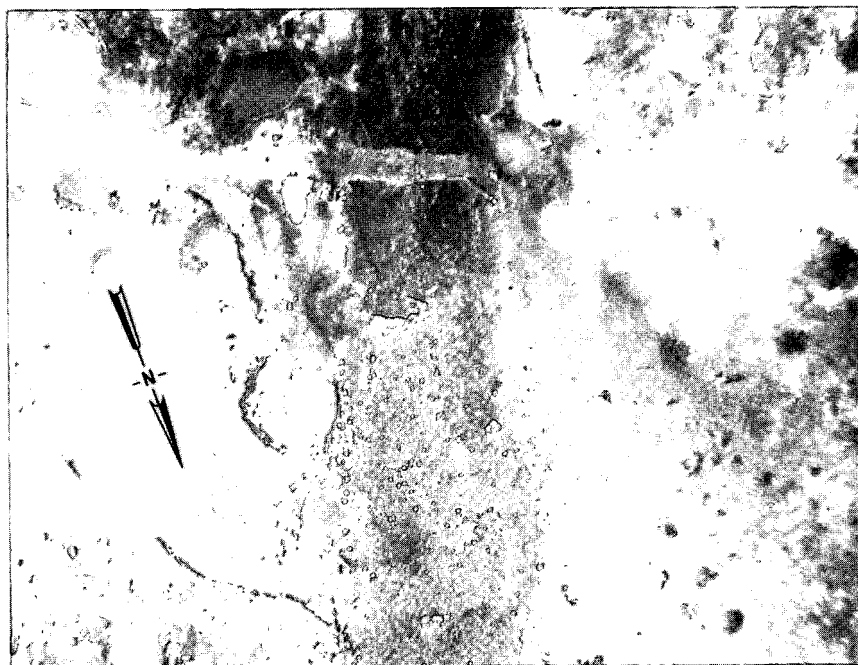
STATUS:

1 abutment destroyed; 1 span dropped.

COMPENSATIVE ACTION:

By-pass ford.

NOTE: Bridge no longer is 4-span because 2 previously destroyed spans were replaced by a rock causeway.

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Thuan Le Hwy. Bridge over

COUNTRY

COORDINATES

Khe Thuong Loc

18 13N - 106 04E

Bridge No. 66 on NE 48-7

North Vietnam

XF 143146

25X1

BRIEF NO:

PIB 75264

MAP JOG (A) 1501 NE 48-7

October 1966

LOCATION: 1.0 nm W of Cau Thuong on Route 1A.

DESCRIPTION:

LENGTH 100' approx.

MATERIAL Wood

WIDTH 15' approx.

NO. OF SPANS 4 probable

TYPE Deck

LENGTH OF EACH SPAN 25' approx.

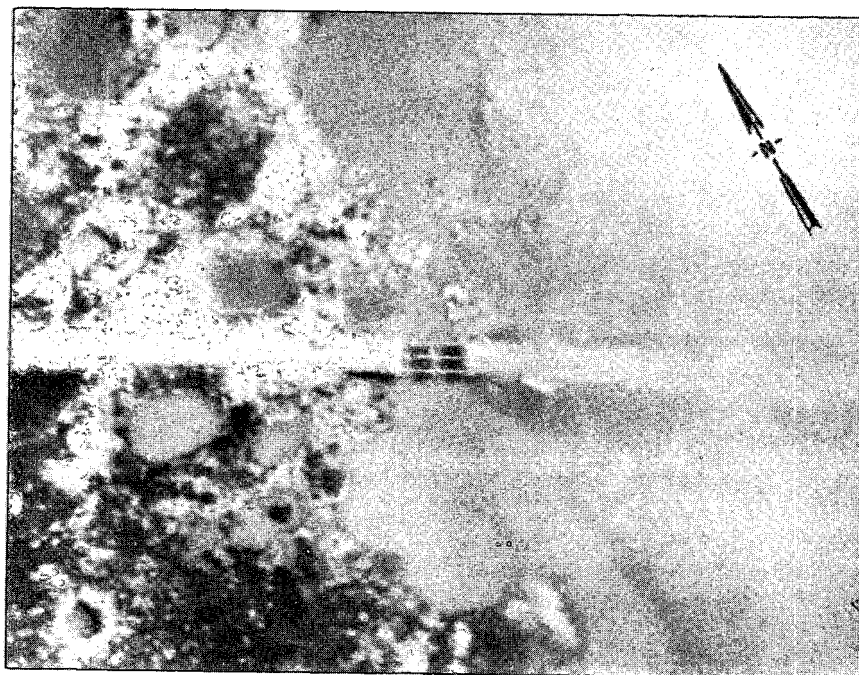
STATUS:

Bridge is in late stages of repair.

COMPENSATIVE ACTION:

NA

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Dong Bai RR. By-pass Bridge N over Song Tien COUNTRY North Vietnam COORDINATES 18 09N - 105 43E
WF 763083

25X1 BRIEF NO: PIB 75265
October 1966

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.4 nm NNE of Dong Bai on Vinh/Dong Hoi Rail Line.

DESCRIPTION:

25X1 LENGTH MATERIAL Steel, wood
WIDTH NO. OF SPANS 9
TYPE Single-track) REMOVEABLE deck beam LENGTH OF EACH SPAN

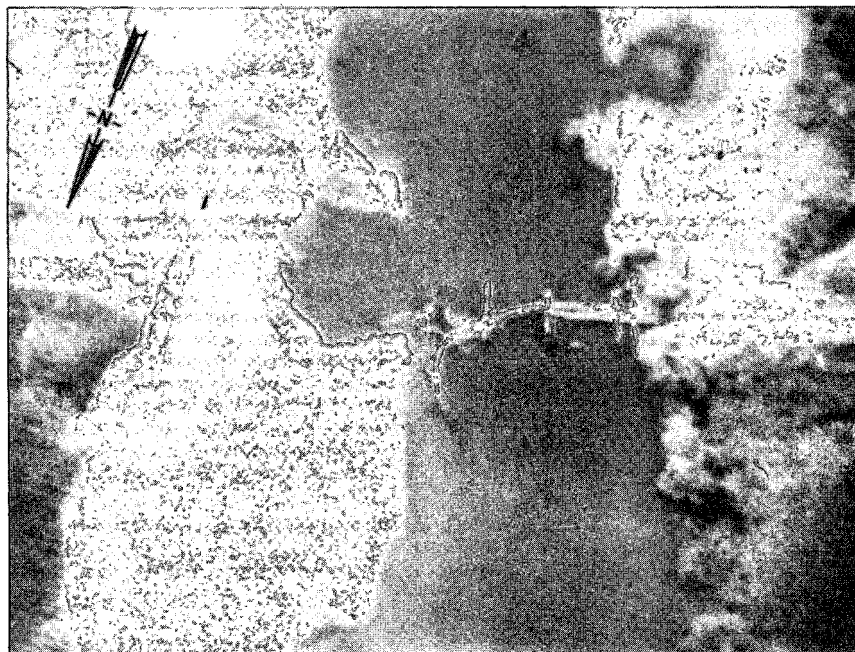
STATUS:

9 spans destroyed; 5 piers destroyed; 3 piers severely damaged.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Dong Bai RR. By-pass Bridge N	COUNTRY		COORDINATES	
		over Song Tien [REDACTED]			18 09N - 105 43E	
25X1		Bridge No. 11 on NE 48-7	North Vietnam		WF 763083	
					BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-7			PIB 75266	
					October 1966	

LOCATION: 0.4 nm NNE of Dong Bai on Vinh/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH
WIDTH
TYPE[REDACTED] (Single-track)
Removeable deck beamMATERIAL Wood, steel
NO. OF SPANS 9
LENGTH OF EACH SPAN [REDACTED]

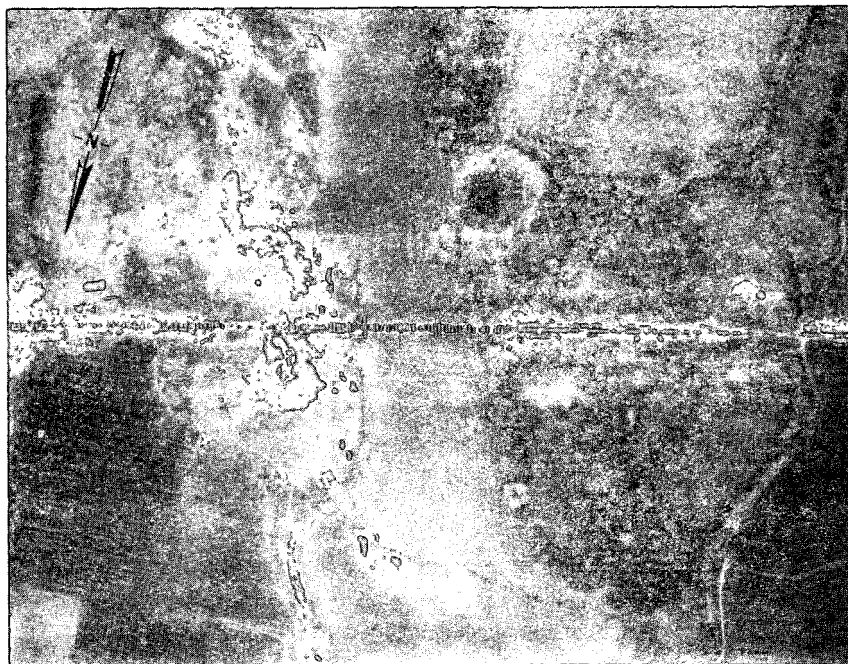
25X1

STATUS:

Pre-strike

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Ha Dong Hwy. Bridge over	COUNTRY		COORDINATES
	Khe Nac		North Vietnam		18 12N - 105 42E WF 746134
25X1	Bridge No. 56 on NE 48-7				BRIEF NO:
					PIB 75267 October 1966
	MAP	JOG (A) 1501 NE 48-7			

LOCATION: 0.6 nm SW of Ha Dong on Route 15.

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

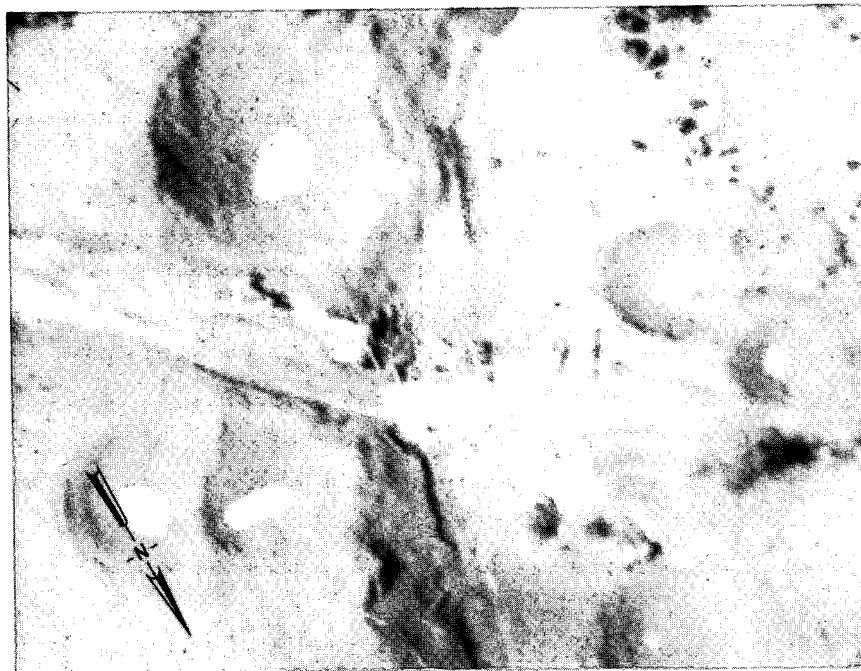
MATERIAL Concrete and wood
NO. OF SPANS 3
LENGTH OF EACH SPAN

STATUS:

3 spans destroyed; 1 abutment destroyed; 1 pier destroyed; 1 pier damaged.

COMPENSATIVE ACTION:

By-pass rock-fill causeway with culvert.

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CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Lang Khay RR. Bridge over
 Ngoi Kay COUNTRY North Vietnam COORDINATES 22 01N - 104 31E
 Bridge No. 8 on NF 48-6 VK 509359

25X1 BRIEF NO:
 MAP JOG (A) 1501 NF 48-6 PIB 75268
 October 1966

LOCATION: 1.8 nm SW of Ky Dong on Hanoi/Lao Cai Rail Line.

DESCRIPTION:

25X1 LENGTH 135' approx. MATERIAL Timber and steel
 WIDTH (Single-track) NO. OF SPANS 3
 TYPE Deck LENGTH OF EACH SPAN 1 @ 90' approx., 1 @ 30' approx.
 1 @ 15' approx.

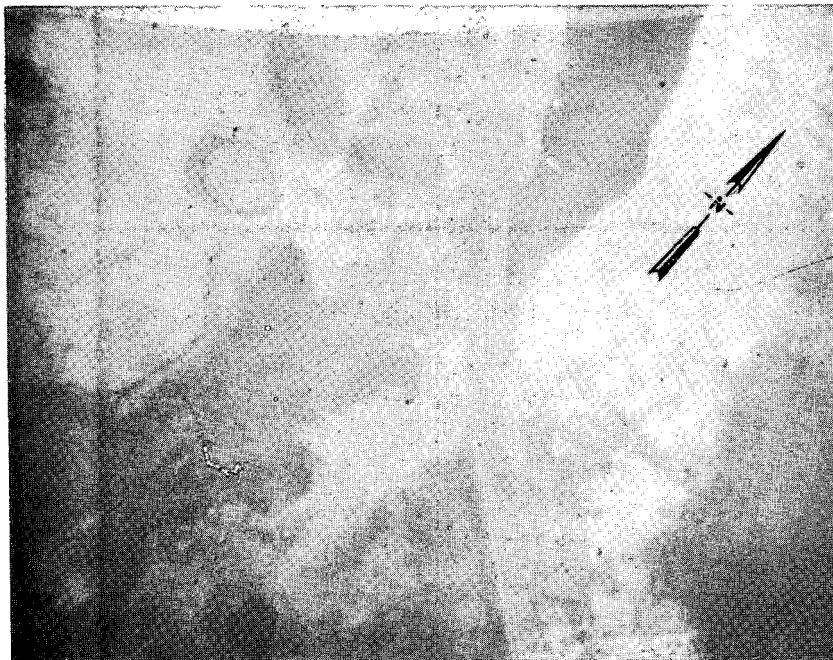
STATUS:

All spans dropped; 2 piers and 1 abutment destroyed.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME Ban Houei Cui Hwy. Bridge	COUNTRY	COORDINATES
	Bridge No. 7 on NE 48-2	North Vietnam	19 19N - 104 20E VG 298357
25X1			BRIEF NO:
	MAP JOG (A) 1501 NE 48-2		PIB 75269 October 1966
LOCATION: 1 nm NW of Ban Houei Cui on Route 7.			

DESCRIPTION:

25X1	LENGTH 70' approx.	MATERIAL Concrete
	WIDTH [REDACTED]	NO. OF SPANS 3
	TYPE Deck	LENGTH OF EACH SPAN 1 @ 50' approx. 2 @ 10' approx.

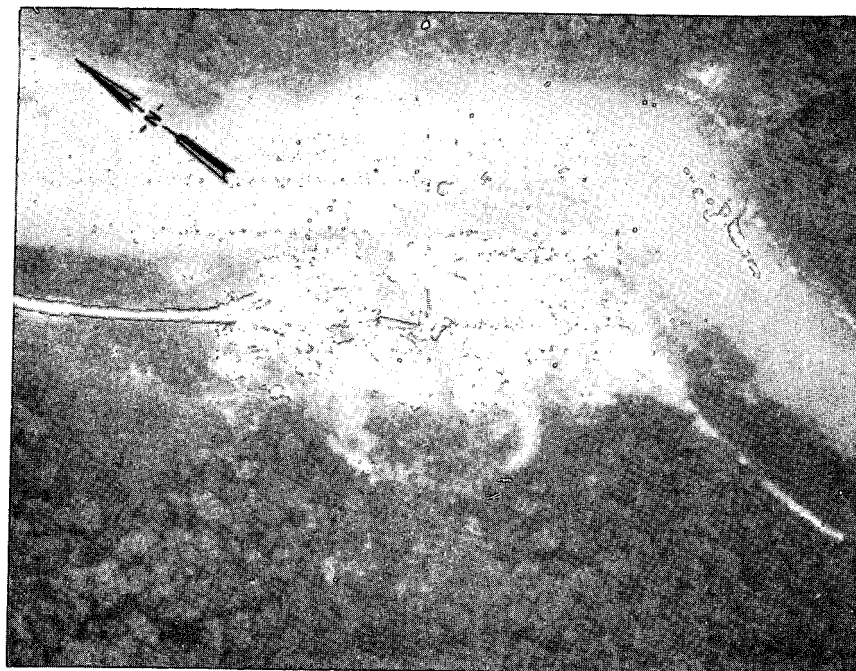
STATUS:

One 10' span dropped; 50' span dropped; one 10' span moderately damaged.

COMPENSATIVE ACTION:

By-pass bridge.

25X1 [REDACTED]

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Duc Pho Hwy. Bridge Bridge No. 60 on NE 48-12	North Vietnam	17 26N - 106 37E XE 710289
25X1 [REDACTED]		BRIEF NO: PIB 75270 October 1966
MAP AMS L509 NE 48-12		
LOCATION: East edge of Duc Pho on Route 501.		

DESCRIPTION:

25X1

LENGTH	[REDACTED]	MATERIAL	Timber
WIDTH		NO. OF SPANS	3
TYPE	Deck	LENGTH OF EACH SPAN	[REDACTED]

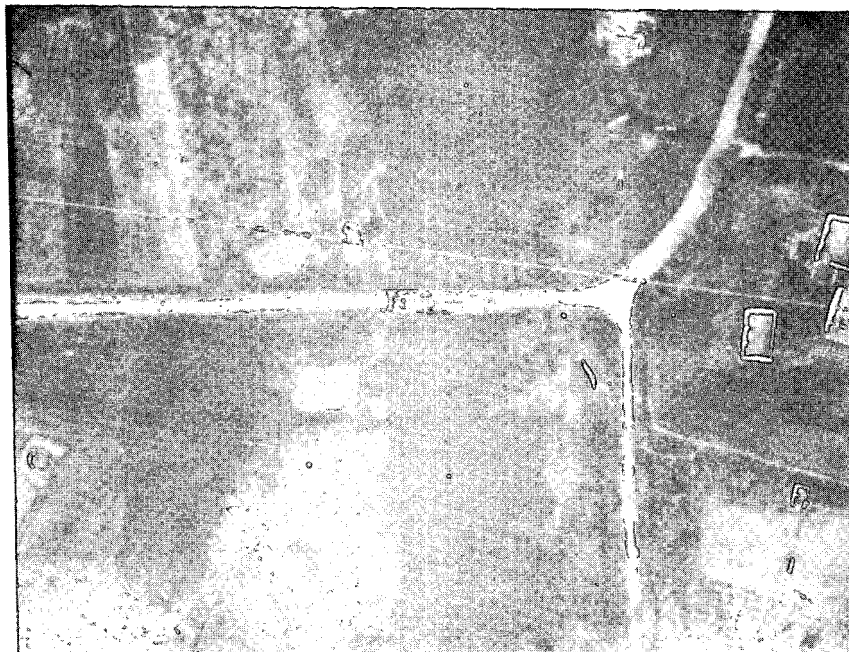
25X1

STATUS:

Moderate deck damage.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Ky Anh Hwy. Bridge over Song Cau Tri <input type="text"/>	COUNTRY		COORDINATES	18 04N - 106 16E XE 342980
		Bridge No. 57 on NE 48-7	North Vietnam			
25X1		<input type="text"/>			BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-7			PIB 75271	
					October 1966	

LOCATION: 1.5 nm SW of Bieu Due on an unnumbered route.

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

Deck

MATERIAL Probable wood

NO. OF SPANS 5

LENGTH OF EACH SPAN

25X1

STATUS:

5 spans destroyed.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Ha Thon RR. and Hwy. Bridge over Song Vac <input type="text"/> Bridge No. 10 on NF 48-15	COUNTRY North Vietnam	COORDINATES 20 12N - 105 58E WH 013348
<input type="text"/>		BRIEF NO: PIB 75272 October 1966
MAP JOG (A) 1501 NF 48-15		
LOCATION: 0.8 nm SE of Vu Nam on Hanoi/Vinh Rail Line.		

DESCRIPTION:

LENGTH	95' approx.	MATERIAL	Steel and concrete
WIDTH	10' approx. (Single-track)	NO. OF SPANS	1
TYPE	Through-truss	LENGTH OF EACH SPAN	95' approx.

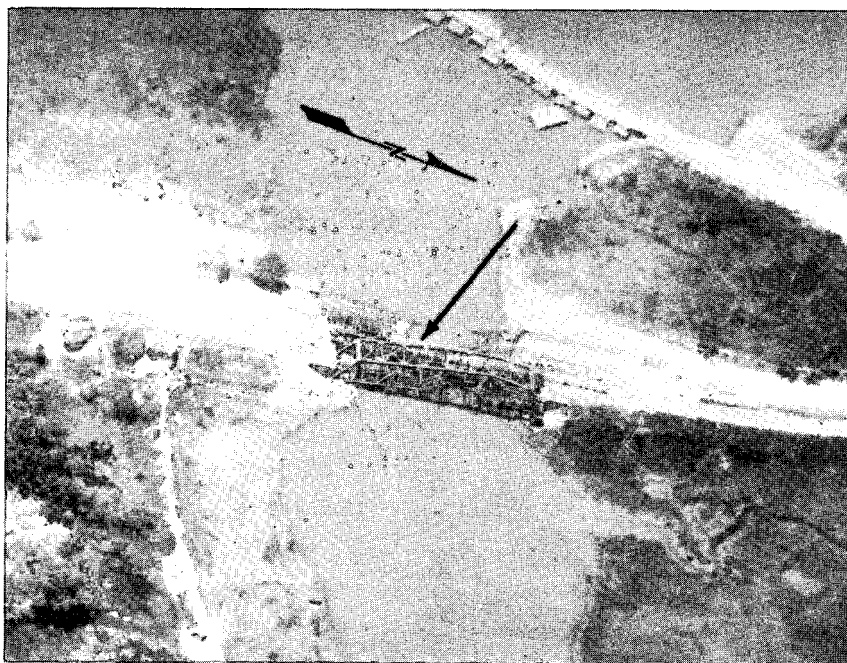
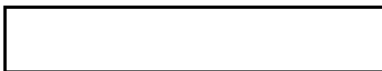
STATUS:

Span dropped and twisted; one abutment heavily damaged.

COMPENSATIVE ACTION:

Serviceable deck-type replacement bridge has been constructed adjacent to the destroyed bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME	Trong Quang Tien RR. Bridge over Song Yen Tr <input type="text"/> Bridge No. 37 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 37N - 105 42E WG 740696
MAP	JOG (A) 1501 NE 48-3			BRIEF NO:	PIB 75273 November 1966

LOCATION: 1.2 nm E of Trong Quang Tien on Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH	195' approx.	MATERIAL	Steel
WIDTH	10' approx.	NO. OF SPANS	3
TYPE	Deck-girder	LENGTH OF EACH SPAN	65' approx.

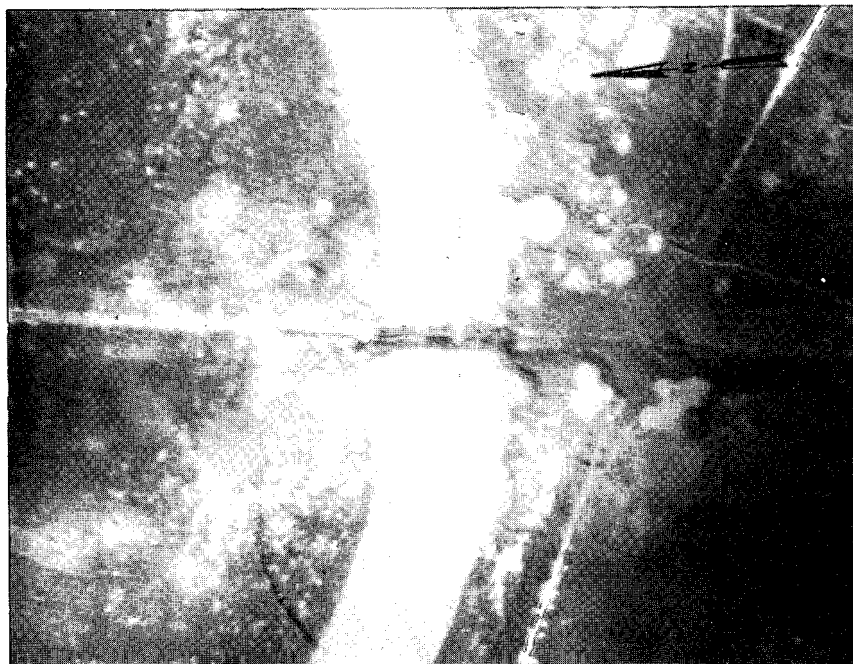
STATUS:

Repaired and serviceable.

COMPENSATIVE ACTION:

By-pass bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME Dai Thuy RR. Bridge SW over Khe Dau <input type="text"/> Bridge No. 17 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 23N - 105 43E WG 756417
	25X1 <input type="text"/>		BRIEF NO: PIB 75274 November 1966
MAP JOG (A) 1501 NE 48-3			
LOCATION: 0.5 nm SE of Dong Ky on the Hanoi/Dong Hoi Rail Line.			

DESCRIPTION:

25X1	LENGTH	115' approx.	MATERIAL	Steel and concrete
	WIDTH	<input type="text"/> (Single track)	NO. OF SPANS	1
	TYPE	Half-through truss	LENGTH OF EACH SPAN	115' approx.

STATUS:

Span dropped.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Dai Thuy RR. Bridge NW over Khe Dua [REDACTED] Bridge No. 60 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 23N - 105 43E WG 756418
[REDACTED]		BRIEF NO: PIB 75275 November 1966
MAP JOG (A) 1501 NE 48-3		

LOCATION: 0.5 nm SE of Dong Ky on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 120' approx.

WIDTH [REDACTED]

TYPE

(Single track)
Deck

MATERIAL Concrete and steel

NO. OF SPANS 6

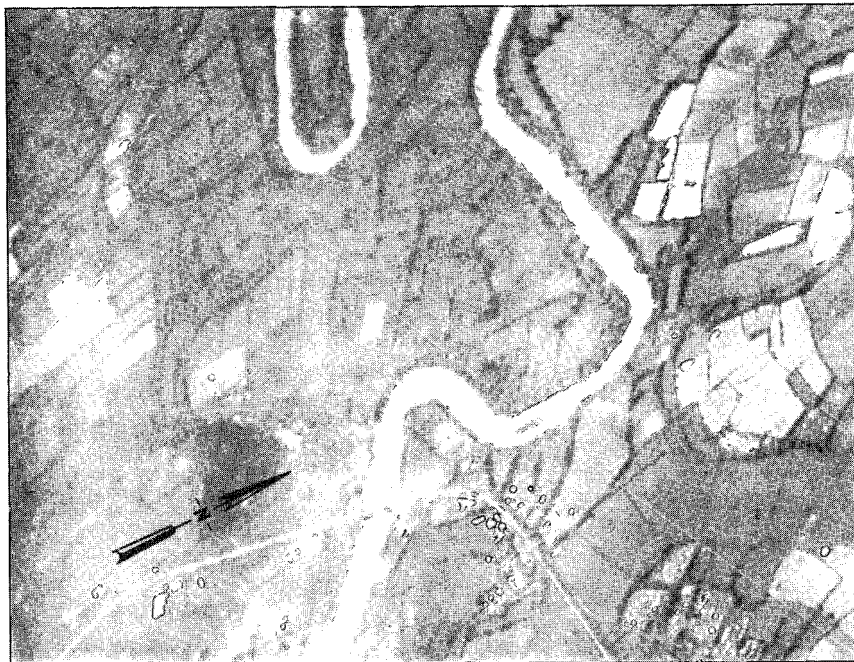
LENGTH OF EACH SPAN 20' approx.

STATUS:

Two spans completely destroyed.

COMPENSATIVE ACTION:

None

~~CONFIDENTIAL~~GROUP 1
Excluded from automatic
downgrading and declassification

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Huu Lai RR. Bridge Bridge No. 51 on NE 48-3	North Vietnam	19 22N - 105 44E WG 780429
BRIEF NO:		
PIB 75276		
November 1966		

25X1

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.9 nm NW of Huu Lai on Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 60' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Wood and steel
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 60' approx.

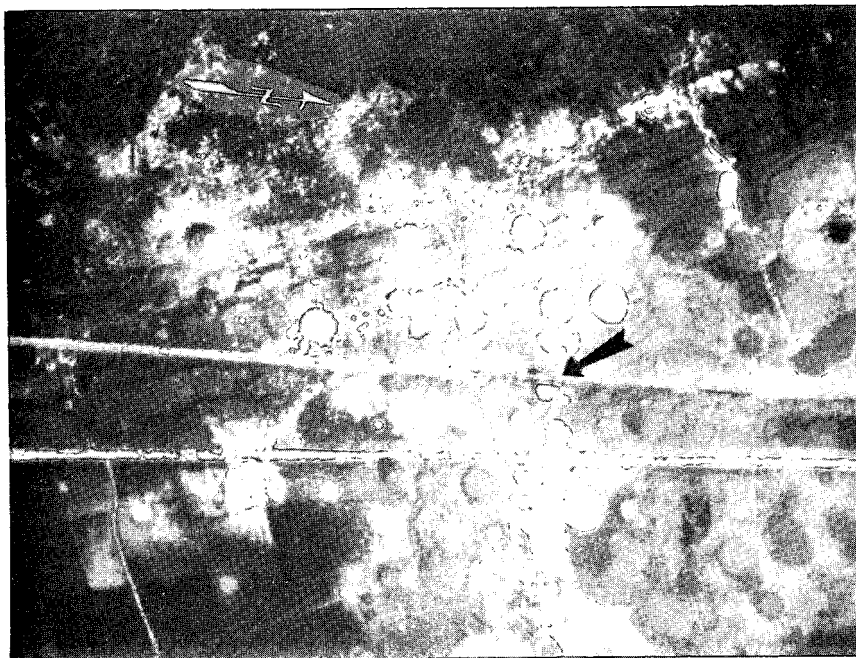
STATUS:

Repaired and probably serviceable.

COMPENSATIVE ACTION:

NA

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Thi Long RR. Bridge over Suoi Cay Gang [REDACTED] Bridge No. 2 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 31N - 105 42E WG 742599
	25X1	[REDACTED]			BRIEF NO:	PIB 75277 November 1966
	MAP	JOG (A) 1501 NE 48-3				
	LOCATION:	0.1 nm SE of Thi Long on the Hanoi/Dong Hoi Rail Line.				

DESCRIPTION:

25X1	LENGTH	100' approx.	MATERIAL	Steel	
	WIDTH	[REDACTED] (Single track)	NO. OF SPANS	2	
	TYPE	Through-truss	LENGTH OF EACH SPAN		1 @ 25' approx. 1 @ 75' approx.

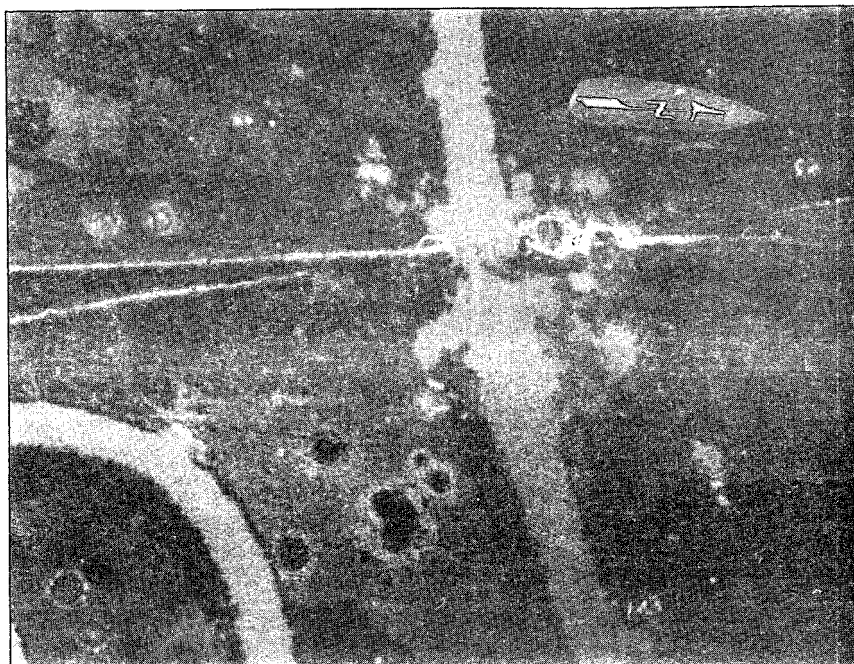
STATUS:

All spans destroyed.

COMPENSATIVE ACTION:

None

25X1 [REDACTED]



25X1

[REDACTED]

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GROUP 1
Excluded from automatic
downgrading and declassification

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Dong Khe RR. and Hwy. Bridge	COUNTRY		COORDINATES	19 04N - 105 35E
		S over canal <input type="text"/>				WG 618081
25X1		Bridge No. 27 on NE 48-3	North Vietnam		BRIEF NO:	
					PIB 75278	
	MAP	JOG (A) 1501 NE 48-3			October 1966	

LOCATION: 0.8 nm N of Dong Khe on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

25X1

LENGTH 120' approx.
 WIDTH
 TYPE Deck

MATERIAL Steel and concrete
 NO. OF SPANS 3
 LENGTH OF EACH SPAN 40' approx.

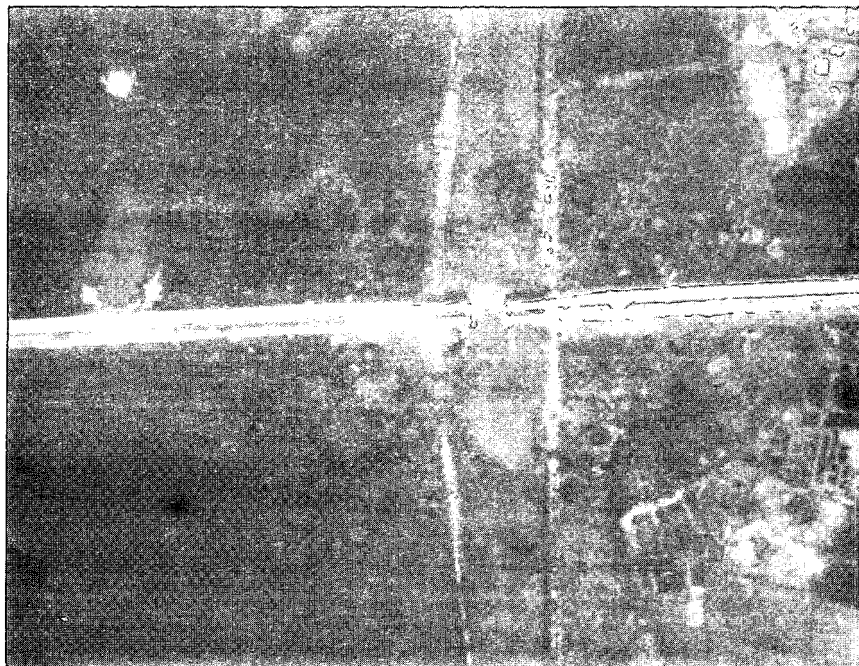
STATUS:

Center span completely destroyed.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Dong Khe RR. and Hwy. Bridge S	COUNTRY		COORDINATES	
		over canal [redacted]			19 04N - 105 35E	
25X1		Bridge No. 25 on NE 48-3		North Vietnam	WG 618081	
		[redacted]			BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-3			PIB 75279	
	LOCATION:	0.8 nm N of Dong Khe on Route 1A.				
		November 1966				

DESCRIPTION:

25X1	LENGTH	120' approx.	MATERIAL	Steel and concrete
	WIDTH	[redacted]	NO. OF SPANS	3
	TYPE	Deck	LENGTH OF EACH SPAN	40' approx.

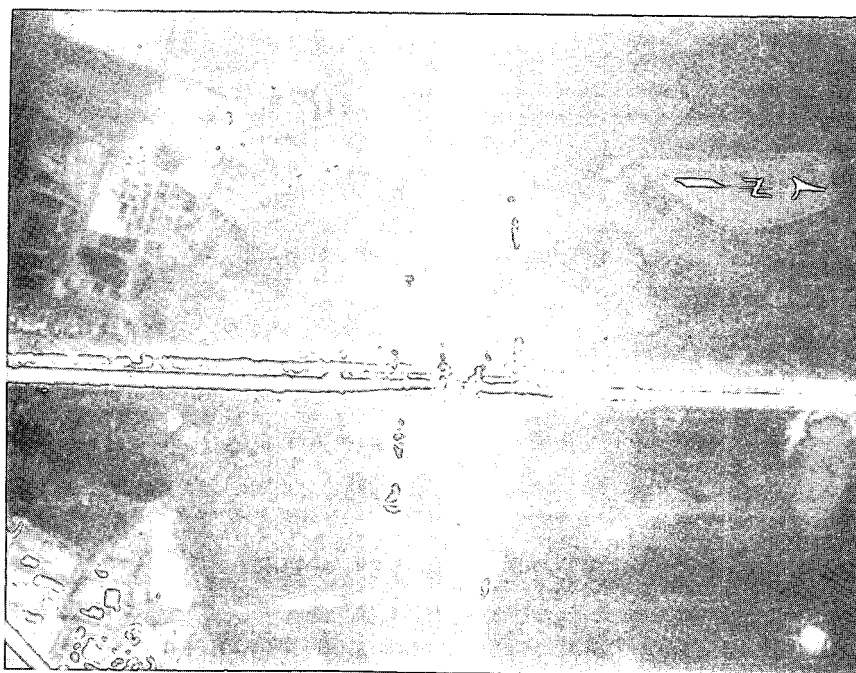
STATUS:

Center span destroyed.

COMPENSATIVE ACTION:

By-pass bridge east of bridge.

25X1 [redacted]

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Excluded from automatic
downgrading and
declassification

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Qui My Hwy. Bridge S over stream <input type="text"/>	COUNTRY	North Vietnam	COORDINATES	19 24N - 105 45E WG 800460
		Bridge No. 50 on NE 48-3				
25X1					BRIEF NO:	PIB 75280 November 1966
	MAP	JOG (A) 1501 NE 48-3				
LOCATION: 0.5 nm S of Qui My on Route 1A.						

DESCRIPTION:

LENGTH 75' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Timber
NO. OF SPANS 5 approx.
LENGTH OF EACH SPAN 15' approx.

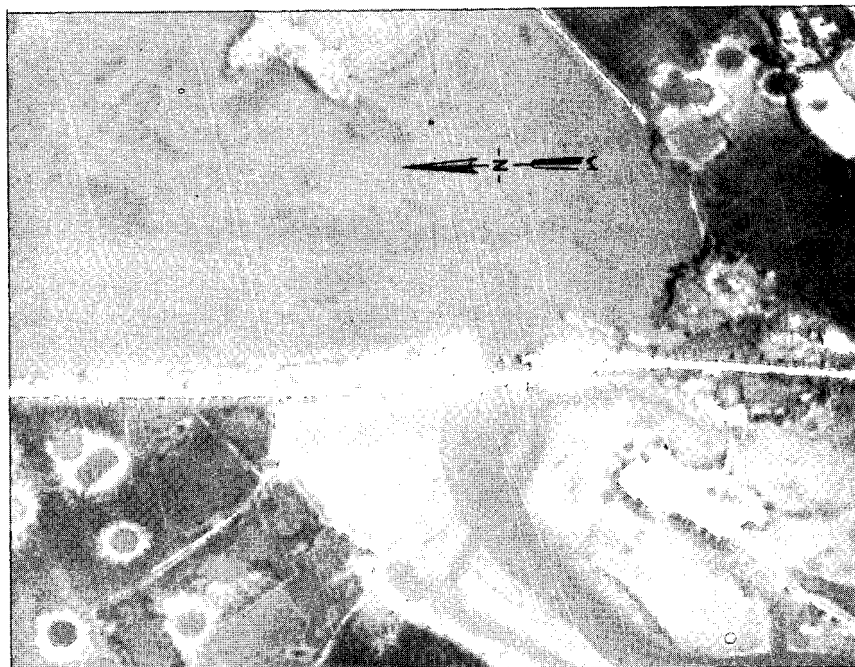
STATUS:

Causeway at site of original bridge.

COMPENSATIVE ACTION:

25X1 Destroyed by-pass bridge replaced by a rock filled causeway.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Son Chau Hwy. Bridge over stream <input type="text"/>	COUNTRY		COORDINATES	19 19N - 105 43E
		Bridge No. 31 on NE 48-3		North Vietnam		WG 758370
25X1		<input type="text"/>			BRIEF NO:	
					PIB 75281	
	MAP	JOG (A) 1501 NE 48-3			November 1966	
	LOCATION:	At Thach Luyen on Route 1A.				

25X1	DESCRIPTION:		MATERIAL	Wood
	LENGTH	<input type="text"/>	NO. OF SPANS	3
	WIDTH		LENGTH OF EACH SPAN	<input type="text"/>
	TYPE	Deck		

25X1

STATUS: Replaced by a cable bridge; no deck sections observed.

COMPENSATIVE ACTION:

NA

25X1

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GROUP 1
Excluded from automatic
downgrading and declassification

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CIA IMAGERY ANALYSIS DIVISION

NAME Thach Luyen Hwy. Bridge By-Pass No. 1 Bridge No. 59 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 18N - 105 43E WG 764368
MAP JOG (A) 1501 NE 48-3		BRIEF NO: PIB 75282 November 1966

LOCATION: 0.5 nm S of Thach Luyen on Route 1A.

DESCRIPTION:

LENGTH 100' approx.
WIDTH
TYPE Deck

MATERIAL Probable concrete
NO. OF SPANS 4
LENGTH OF EACH SPAN 25' approx.

STATUS:

Two spans destroyed; one abutment destroyed.

COMPENSATIVE ACTION:

Main bridge (NE 48-3-31) is repaired and serviceable.

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GROUP 1
Excluded from automatic
downgrading and declassification

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Dap Cau RR. and Hwy. Bridge over Song Cau Bridge No. 12 on NF 48-11	COUNTRY North Vietnam	COORDINATES 21 12N - 106 05E XJ 135450
		BRIEF NO: PIB 75283 November 1966
MAP JOG (A) 1501 NF 48-11		
LOCATION: 0.2 nm W of Dap Cau on Route 1A and the Hanoi/Dong Dang Rail Line.		

DESCRIPTION:

LENGTH 560' approx.
WIDTH 25' approx.
TYPE Through-truss

MATERIAL Steel and concrete
NO. OF SPANS 8
LENGTH OF EACH SPAN 2 @ 40' approx., 6 @ 80' approx.

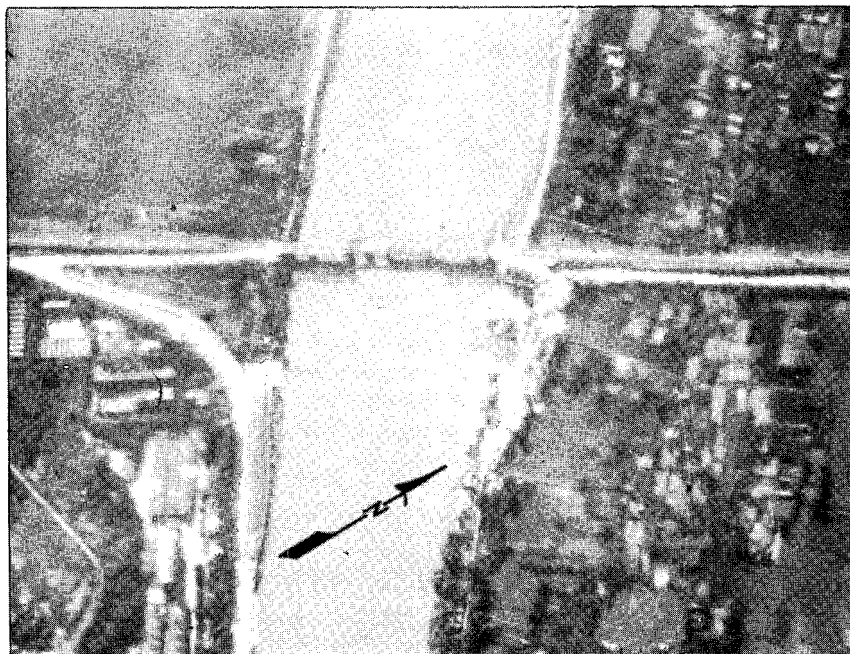
STATUS:

Piers repaired; previously damaged spans replaced by deck-type spans;
bridge serviceable to rail traffic; probably not serviceable to vehicular
traffic.

COMPENSATIVE ACTION:

By-pass bridge under construction west of bridge; serviceable pontoon
by-pass bridge east of bridge. Ferry slips observed but no ferry.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Thinh Lac RR. Bridge over stream [redacted] Bridge No. 12 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 40N - 105 42E XG 741748
	25X1	[redacted]			BRIEF NO:	PIB 75284 November 1966

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.2 nm E of Thinh Lac on Hanoi/Vinh Rail Line.

DESCRIPTION:

25X1	LENGTH	[redacted]	MATERIAL	Steel and concrete
	WIDTH	10' approx.	NO. OF SPANS	3
	TYPE	Through-truss	LENGTH OF EACH SPAN	[redacted]

25X1

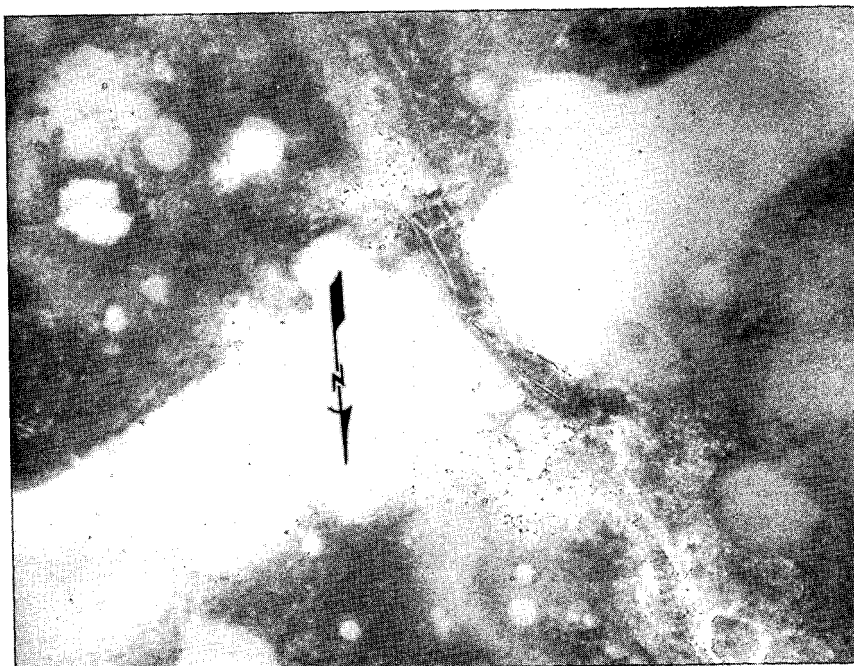
STATUS:

3 spans destroyed.

COMPENSATIVE ACTION:

Serviceable by-pass bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	COUNTRY	COORDINATES
	Thien Linh Dong RR. Bridge Bridge No. 33 on NE 48-3	North Vietnam	19 43N - 105 42E XG 748815
	BRIEF NO:		
	MAP	PIB 75285 November 1966	
	JOG (A) 1501 NE 48-3		
	LOCATION: 0.5 nm N of Thien Linh Dong on Hanoi/Vinh Rail Line.		

DESCRIPTION:

25X1	LENGTH	80' approx.	MATERIAL	Steel and concrete
	WIDTH		NO. OF SPANS	2
	TYPE	Deck-girder	LENGTH OF EACH SPAN	40' approx.

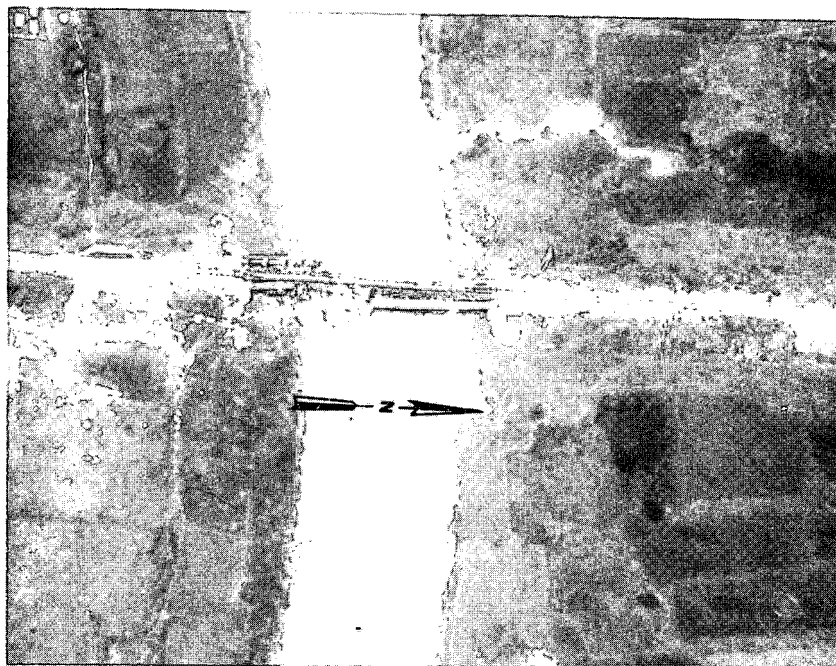
STATUS:

Bridge replaced by temporary deck-type bridge; serviceable to rail and foot traffic.

COMPENSATIVE ACTION:

NA

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Thien Linh Dong RR. Bridge
By-pass No. 1
Bridge No. 33 on NE 48-3

COUNTRY
North Vietnam

COORDINATES
19 43N - 105 42E
XG 748815

BRIEF NO:
PIB 75286
November 1966

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm N of Thien Linh Dong on Hanoi/Vinh Rail Line.

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

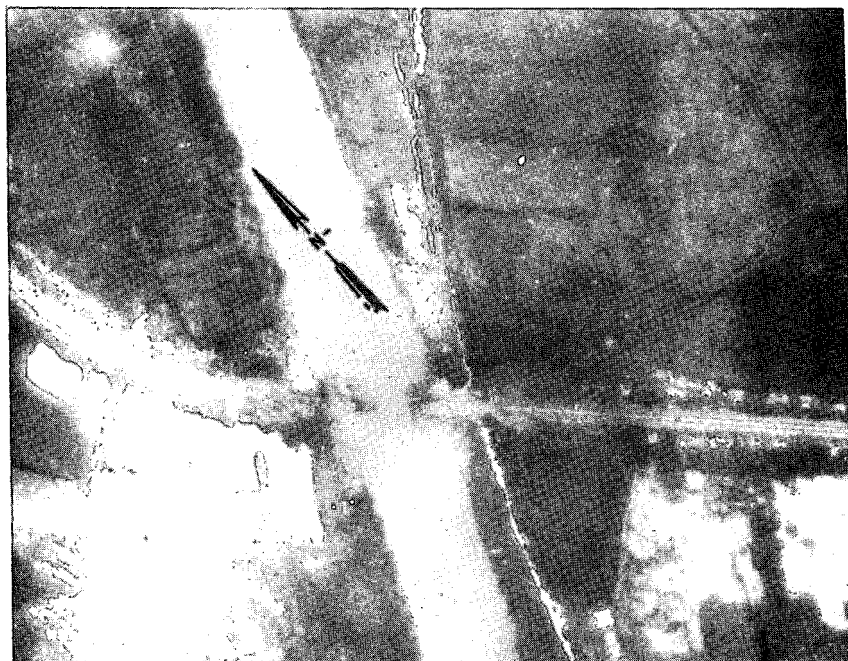
MATERIAL Steel and concrete
NO. OF SPANS 3
LENGTH OF EACH SPAN

STATUS:

Spans destroyed.

COMPENSATIVE ACTION:

None; main rail bridge is serviceable.

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CIA IMAGERY ANALYSIS DIVISION

NAME Thien Linh Dong Hwy. Bridge
over Vi Giang
Bridge No. 32 on NE 48-3

COUNTRY
North Vietnam

COORDINATES
19 43N - 105 42E
WG 752806

BRIEF NO:
PIB 75287
November 1966

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm SSW of Thien Linh Dong on Route 704.

DESCRIPTION:

LENGTH
WIDTH
TYPE

10' approx.
Deck

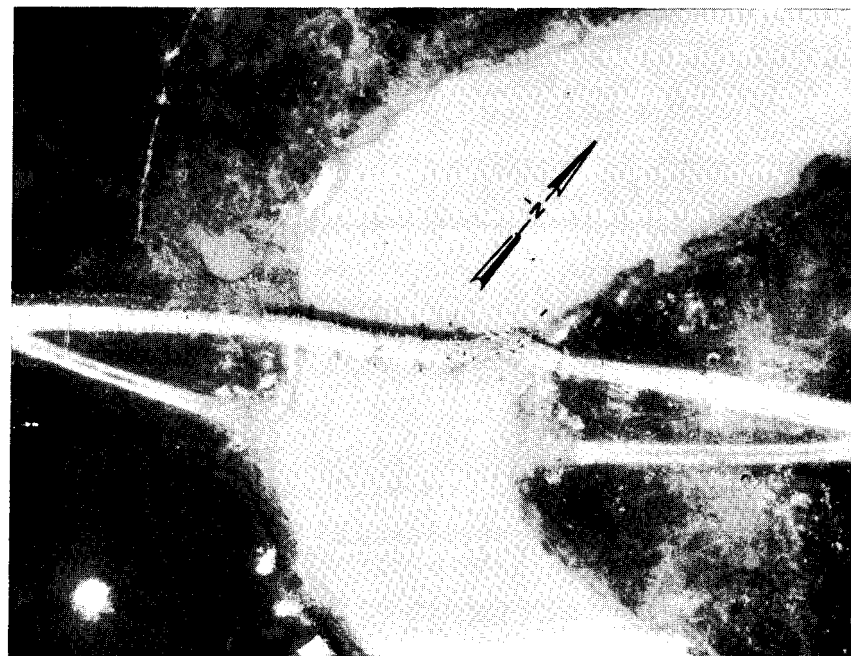
MATERIAL Wood
NO. OF SPANS 8
LENGTH OF EACH SPAN

STATUS:

2 spans dropped; one pier destroyed.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

	NAME	COUNTRY	COORDINATES
25X1	Dong Phuong Thuong RR. Bridge S over Song Len [REDACTED] Bridge No. 6 on NE 48-3	North Vietnam	19 58N - 105 49E XH 864077
25X1	[REDACTED]		BRIEF NO: PIB 75288 November 1966
	MAP	JOG (A) 1501 NE 48-2	
	LOCATION: 1 nm W of Ngoc Tu on Hanoi/Dong Hoi Rail Line.		

DESCRIPTION:

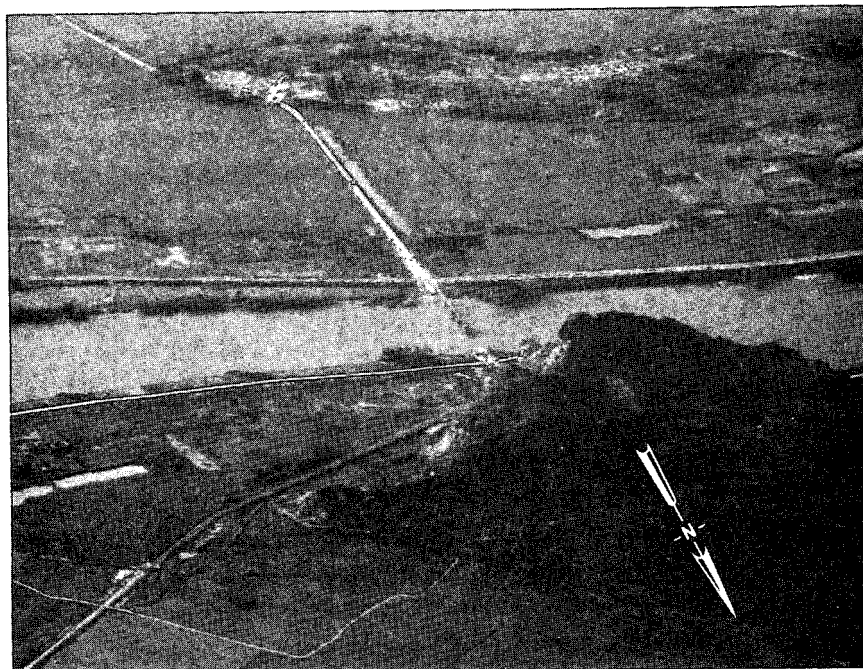
	LENGTH	WIDTH	TYPE	MATERIAL	NO. OF SPANS	LENGTH OF EACH SPAN
25X1	270' approx.	[REDACTED]	(Single track) Deck	Timber	6	45' approx.

STATUS:

2 spans and 1 pier destroyed.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Co Giang Hwy. Bridge over
stream [REDACTED]
Bridge No. 42 on NE 48-11

COUNTRY
North Vietnam

COORDINATES
17 36N - 106 20E
XE 432480

25X1

BRIEF NO:
PIB 75289
November 1966

MAP AMS L509 NE 48-11

LOCATION: 0.2 nm W of Co Giang on Route 101.

DESCRIPTION:

LENGTH 30' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Timber
NO. OF SPANS 2
LENGTH OF EACH SPAN 15' approx.

STATUS:

Bridge repaired and is now serviceable.

COMPENSATIVE ACTION:

None

25X1

**CONFIDENTIAL**

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Xom Bo RR. Bridge Bridge No. 87 on NE 48-7	North Vietnam	18 15N - 105 40E WF 717189
25X1 [REDACTED]		BRIEF NO:
MAP JOG (A) 1501 NE 48-7		PIB 75290 November 1966

LOCATION: 0.1 nm S of Xom Bo on Vinh/Dong Hoi Rail Line.

DESCRIPTION:

 25X1
 LENGTH
 WIDTH
 TYPE

 [REDACTED]
 Deck

 MATERIAL Steel with concrete piers
 NO. OF SPANS 3
 LENGTH OF EACH SPAN [REDACTED]

25X1

STATUS:

One pier probably damaged; serviceable.

COMPENSATIVE ACTION:

Bridge repaired by the addition of reinforcing piers.

**CONFIDENTIAL**

CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Xom Trung Hoa Hwy. Bridge over stream	COUNTRY		COORDINATES	
		Bridge No. 80 on NE 48-7		North Vietnam		18 42N - 105 27E WF 472684
25X1					BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-7				PIB 75291 November 1966
	LOCATION:	0.1 nm E of Xom Trung on Route 15.				

DESCRIPTION:

LENGTH 120' approx.
 WIDTH 10' approx.
 TYPE Deck-beam

MATERIAL Timber
 NO. OF SPANS 8
 LENGTH OF EACH SPAN 15' approx.

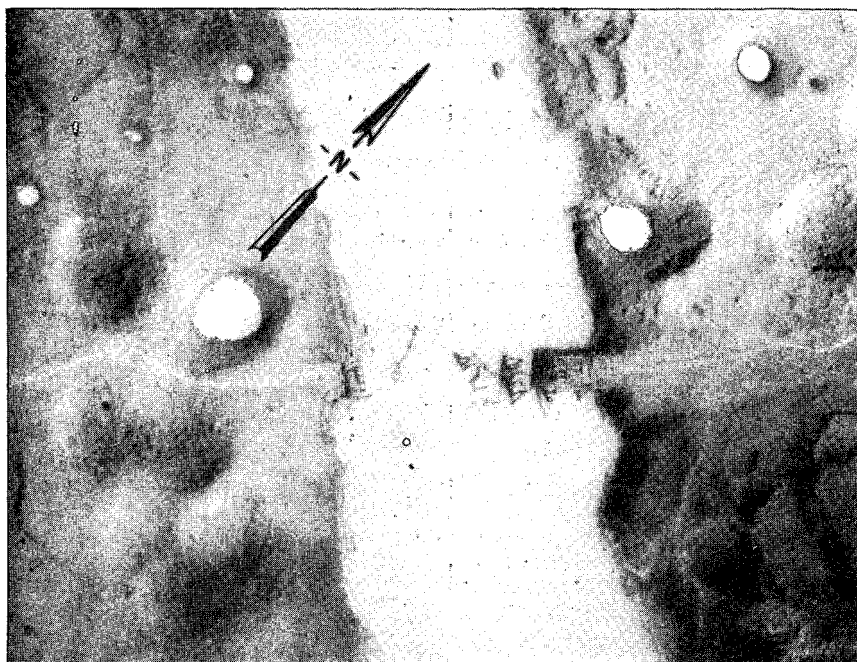
STATUS:

6 spans destroyed; 2 spans heavily damaged; 5 piers heavily damaged;
 1 abutment damaged.

COMPENSATIVE ACTION:

Ford

25X1

**CONFIDENTIAL**

GROUP 1
 Excluded from automatic
 downgrading and declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Ninh Binh RR. and Hwy. Bridge over Song Day COORDINATES 20 15N - 105 59E
25X1 Bridge No. 1 on NF 48-15 North Vietnam XH 030405

25X1 BRIEF NO:
PIB 75292
November 1966

MAP JOG (A) 1501 NF 48-15

LOCATION: At Ninh Binh on Route 10.

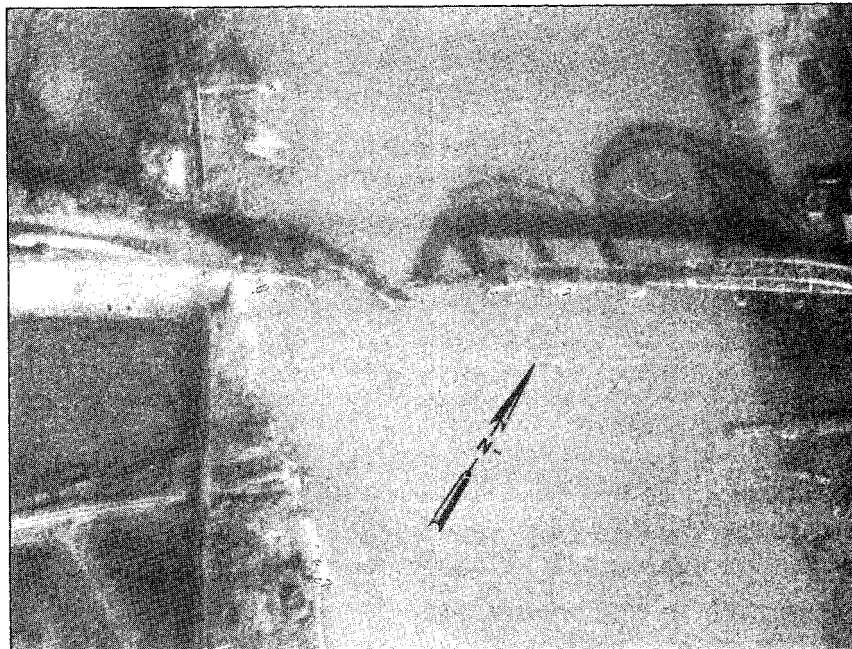
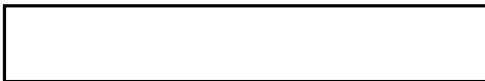
DESCRIPTION:

25X1 LENGTH 680' approx. MATERIAL Steel and concrete
WIDTH NO. OF SPANS 8 (2 continuous trussed and center
TYPE Through-truss w/center LENGTH OF EACH SPAN 85' approx. swing span)
swing span

STATUS:
3 spans dropped; one pier destroyed; one pier damaged.

COMPENSATIVE ACTION:
Railroad by-pass bridge under construction east of main bridge.

25X1



25X1

~~CONFIDENTIAL~~

CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Bau Khe Hwy. Bridge over stream <input type="text"/>	COUNTRY	North Vietnam	COORDINATES	17 40N - 106 30E XE 601538
		Bridge No. 15 on NE 48-12				
25X1					BRIEF NO:	
					PIB 75293	November 1966
	MAP	JOG (A) 1501 NE 48-12				

LOCATION: 1.6 nm NW of Ly Hoa on Route 1A.

DESCRIPTION:

25X1	LENGTH	30' approx.	MATERIAL	Wood
	WIDTH	<input type="text"/>	NO. OF SPANS	1
	TYPE	Deck-beam	LENGTH OF EACH SPAN	30' approx.

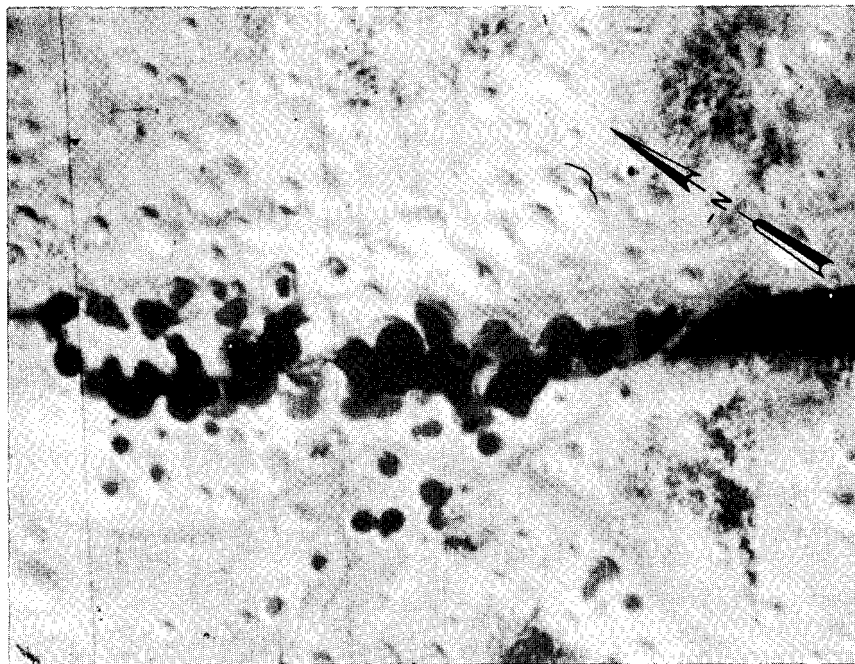
STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Ford

25X1

**CONFIDENTIAL**

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Yen Bai Hwy. Bridge over

COUNTRY

COORDINATES

Ngoi Cuong No [REDACTED]
Bridge No. 36 on NF 48-10

North Vietnam

21 42N - 104 53E
VJ 881999

25X1

BRIEF NO:

MAP JOG (A) 1501 NF 48-10

PIB 75294
November 1966

LOCATION: 0.4 nm NE of Yen Bai on Route 13A.

DESCRIPTION:

25X1

LENGTH 40' approx.

MATERIAL Concrete and steel

WIDTH [REDACTED]

NO. OF SPANS 1

TYPE Deck

LENGTH OF EACH SPAN 40' approx.

STATUS:

Bridge repaired and serviceable for vehicular traffic.

COMPENSATIVE ACTION:

By-pass highway bridge.

25X1

~~CONFIDENTIAL~~

CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Yen My RR. and Hwy. Bridge N over stream Bridge No. 15 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 38N - 105 39E WF 692608
	25X1				BRIEF NO:	PIB 75295 November 1966
MAP		JOG (A) 1501 NE 48-7				
LOCATION: 0.5 nm N of Do Yen on Vinh/Dong Hoi Rail Line.						

DESCRIPTION:

LENGTH 60' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Concrete and steel
 NO. OF SPANS 3
 LENGTH OF EACH SPAN 20' approx.

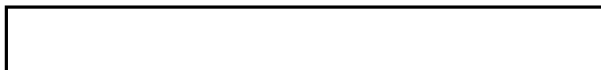
STATUS:

2 spans destroyed; 1 pier destroyed.

COMPENSATIVE ACTION:

None

25X1

**CONFIDENTIAL**

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME

Dong Son Hwy. Bridge
Bridge No. 88 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 37N - 105 31E
XF 553590

25X1

BRIEF NO:

PIB 75296
November 1966

MAP

JOG (A) 1501 NE 48-7

LOCATION: 1.4 nm NW of Dong Son on Route 72.

DESCRIPTION:

25X1

LENGTH

WIDTH

TYPE

10' approx.
Deck

MATERIAL Wood

NO. OF SPANS 5

LENGTH OF EACH SPAN

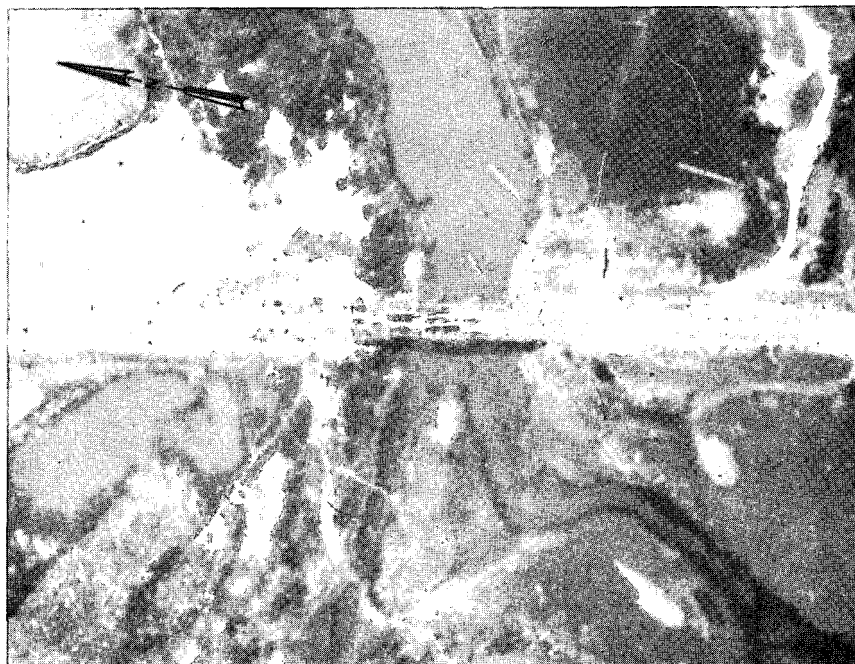
25X1

STATUS:

3 spans moderately damaged.

COMPENSATIVE ACTION:

By-pass road and causeway.

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CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME	Canh Trap Hwy. Bridge SW over stream	COUNTRY		COORDINATES	19 13N - 104 32E VG 514251
	Bridge No. 12 on NE 48-2		North Vietnam		

25X1

				BRIEF NO:	
					PIB 75297
					November 1966

MAP JOG (A) 1501 NE 48-2

LOCATION: 0.1 nm W of Canh Trap on Route 7.

DESCRIPTION:

LENGTH 30' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Timber
 NO. OF SPANS 2
 LENGTH OF EACH SPAN 15' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

By-pass causeway and short timber span.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	Vinh Hwy. Bridge S 2 over stream [redacted] Bridge No. 37 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 37N - 105 40E WF 707599
				BRIEF NO:	PIB 75298 November 1966
MAP	JOG (A) 1501 NE 48-7				

25X1

25X1

LOCATION: 0.4 nm SW of Yen Dong on Route 8.

25X1

DESCRIPTION:

LENGTH
WIDTH
TYPE

[redacted]
Deck

MATERIAL Concrete
NO. OF SPANS 4
LENGTH OF EACH SPAN [redacted]

25X1

STATUS:

Repaired and serviceable.

COMPENSATIVE ACTION:

None

25X1

[redacted]



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GROUP 1
Excluded from automatic
downgrading and
declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Hung Long Hwy. Bridge over Cau Song <input type="text"/> Bridge No. 71 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 23N - 105 47E WF 843330
	25X1	<input type="text"/>			BRIEF NO:	PIB 75299 November 1966
	MAP	JOG (A) 1501 NE 48-7				
	LOCATION:	0.8 nm W of Viet Xuyen on Route 82.				

DESCRIPTION:

25X1	LENGTH	<input type="text"/>	MATERIAL	Concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	4
	TYPE	Deck	LENGTH OF EACH SPAN	<input type="text"/>

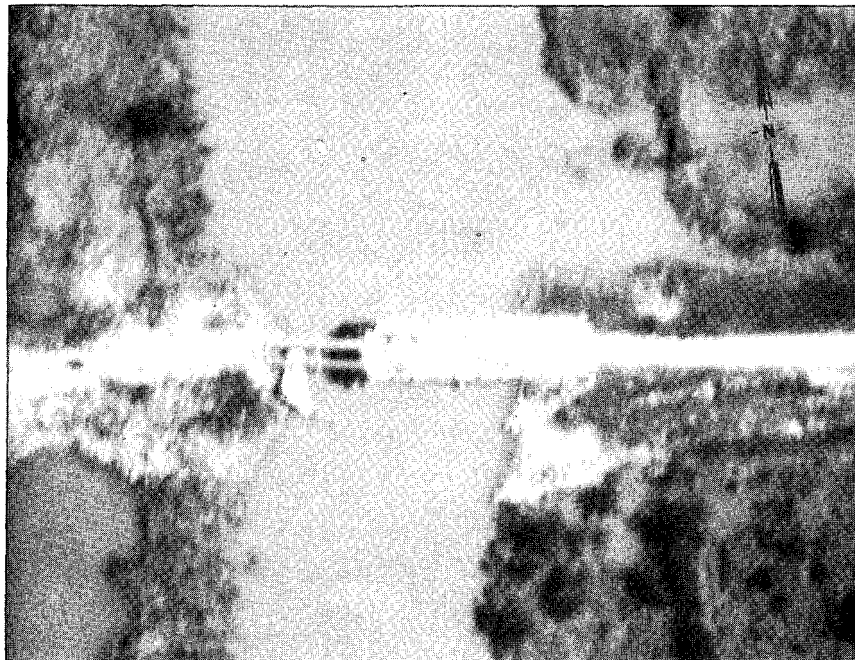
25X1

25X1	STATUS:	Old <input type="text"/> span destroyed; replaced by two <input type="text"/> temporary wood spans; bridge is serviceable.
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25X1

COMPENSATIVE ACTION:

None

~~CONFIDENTIAL~~